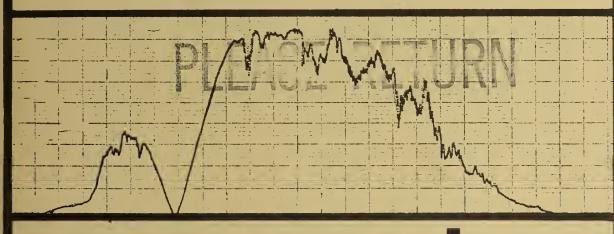
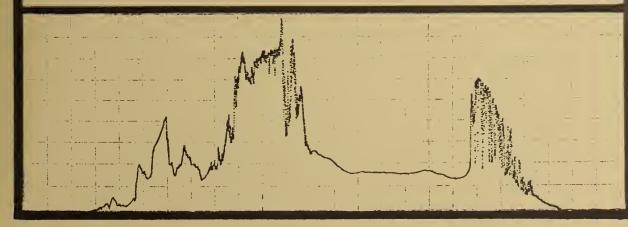
montana



solar data



manual



MST. FEB 11 '81



NOTICE

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COVER

Reproduced on the cover are strip chart records of solar radiation. The upper curve illustrates a clear day record and the lower curve was taken on a partially cloudy day. The center chart records the total eclipse on February 26, 1979.

MONTANA SOLAR DATA MANUAL

ADDENDUM

April 1980

compiled by Charless W. Fowtkes

FOWLKES FINGINGERING 31 Gardner Park Drive Bozeman, MT 59715

supported by

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

ALTERNATIVE RENEWABLE ENERGY SOURCES PROGRAM

32 S. Eving

Helene, NT 59601

John Orndorff, Bureau Chief

Grant No. RAE 140-782

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INTRODUCTION

This 1979 ADDENDUM contains solar radiation data gathered during 1979 from the Montana 30-station network. This 1979 ADDENDUM contains only the data tables and must be used in conjunction with the June 1979 edition of the MONTANA SOLAR DATA MANUAL. The MANUAL explains the source, accuracy and use of the solar data and includes supplementary material on climate, solar design and economics. A current list of volunteers at the 30 recording stations and the 15 manual stations is shown on pages 2 and 3. The continued support of these volunteers is crucial to the success of this measurement program. A map showing the locations of the recording stations is shown on page 5.

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STATIONS WITH CONTINUOUS RECORDERS

Location	School	Volunteer	Year		
Anaconda	Anaconda	Mike Knutson Tom Facey	1979 - 80 1978 - 79		
Billings	Billings Sr. H.S.	Mike Jablin	1977-80		
Bozeman	Bozeman Sr. H.S.	Roscoe Montgomery	1977-80		
Browning	Browning H.S.	Jim Prestbo	1977-80		
Butte	Butte H.S.	John Giop	1978-80		
Choteau	Choteau H.S.	Norman Kamrud	1978-80		
Colstrip	Colstrip H.S.	Kelly Taylor Dave Bowser	1979 – 80 1977 – 79		
Dillon	Beaverhead Co. H.S.	William Mular	1977-80		
Ennis	Madison Val. Cons. H.S.	Jay Willett Orville Hess	1979 – 80 1978 – 79		
Fort Benton	Fort Benton H.S.	A. Wm. Kindzerski T. Daniel Gillen	1979-80 1978-79		
Glasgow	Glasgow H.S.	Norman Girard	1977-80		
Glendive	Dawson Co. H.S.	Richard Lindgren	1978-80		
Great Falls	C. M. Russell H.S.	W. Gary Shelden	1977-80		
Hamilton	Hamilton H.S.	William Delaney	1977-80		
Harlowton	Harlowton H.S.	Milo Coladonato	1978-80		
Havre	Havre H.S.	Marvin Gunnarson Avon Whitehead	1979 – 80 1977 – 79		
Helena	Helena H.S.	Jim Haslip	1977-80		
Jordan	Garfield Co. H.S.	Michael G. Mansfield	1979-80		
Kalispell	Flathead H.S.	Gary Freebury	197780		
Lewistown	Fergus H.S.	Howard Cooper	1977-80		
Libby	Libby H.S.	Mike Funk	1977-80		
Livingston	Park Sr. H.S.	Ben Williams	1978-80		
Miles City	Custer Co. H.S.	Otto Neuhardt John Potts	1977-80 1977-80		
Missoula	Hellgate H.S.	Norman Jacobson	1977-80		
Plentywood	Plentywood H.S.	Harold Gackle	1978-80		
Polson	Polson H.S.	Dan O'Brien Ted Nacy	1979–80 1977–79		
Red Lodge	Red Lodge H.S.	Bob Holmen	1978-80		
Sidney	Sidney Sr. H.S.	Gene Krueger	1978-80		
Thompson Falls	Thompson Falls H.S.	Teresa Kent Walter Clark	1979–80 1978–79		
West Yellowstone	West Yellowstone H.S.	Scott Carsley	197880		

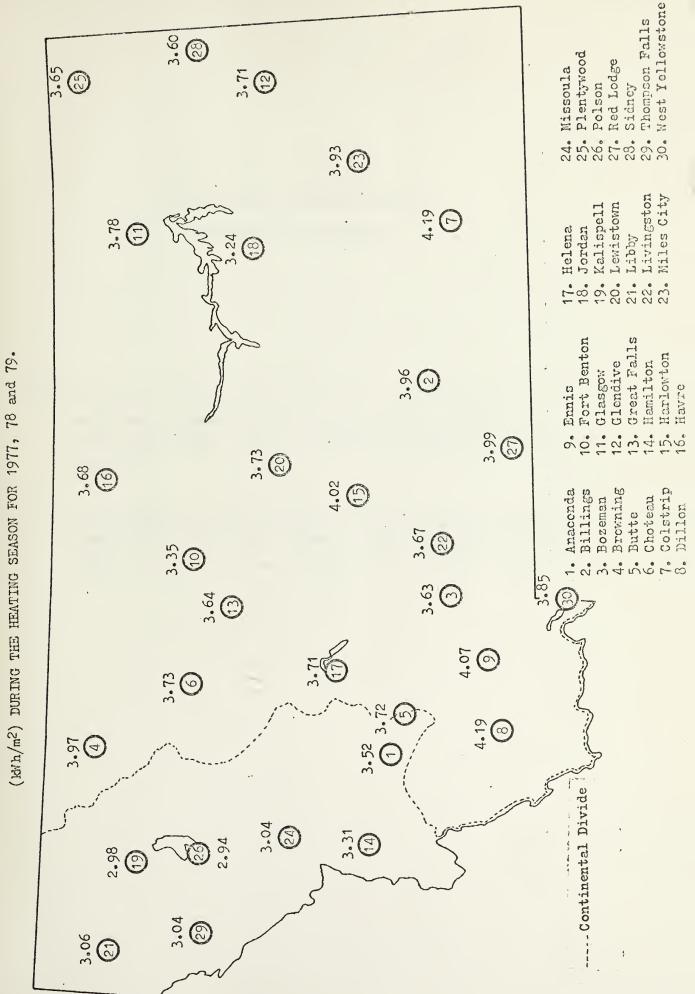
STATIONS WITH MANUAL RECORDERS

Location	School	Volunteer	Year
Baker	Baker H.S.	Max Mueller	1978-80
Big Timber	Sweetgrass Co. H.S.	Dick Willems	1977-78
Billings	Billings West H.S.	Gerald Raab	1978-80
Boulder	Jefferson H.S.	Mike Myrhow	1978-80
Broadus	Powder River Co. H.S.	Henry Eslinger	1977-79
Chester	Chester H.S.	Marvin Krook	1977-80
Chinook	Chinook H.S.	Gail Swant	1977-78
Circle	Circle H.S.	Robert Fitzgerald	1977-79
Columbus	Columbus H.S.	Waymoth Fitzgerald, Jr.	1977-78
Conrad	Conrad H.S.	James Guthrie	1978-80
Culbertson	Culbertson H.S.	Larry Hyslop	1978-79
Deer Lodge	Powell Co. H.S.	Gary Swant	1977-80
Ekalaka	Carter Co. H.S.	Pat Vaskey Jane Frye	1979-80 1977-79
Eureka	Lincoln Co. H.S.	Neil W. Nelson C. W. Calvert	1979-80 1979
Forsyth	Forsyth H.S.	Eli Urbaniak	1978-79
Great Falls	East Jr. H.S.	John Chase	1979
Hardin	Hardin H.S.	Bonnie Pluhar Roland Croghan	1978 1977–78
Harlem	Harlem H.S.	G. Daniel McNeill	1978-79
Hobson	Hobson H.S.	Rick McIntyre	1977-80
Malta	Malta H.S.	Steve Schumacher Jeffrey Bredeson	1978-80 1977-78
Missoula	Sentinel H.S.	Lyle Leischner Ronald Perrin	1979-80 1978-79
Roundup	Roundup H.S.	Jim Schladweiler	1977-79
Scobey	Scobey H.S.	Dee Black	197879
Superior	Superior H.S.	Clark Conrow	1977-79
Townsend	Broadwater Co. H.S.	William Alley	1977-80
Whitefish	Whitefish H.S.	Bruce Tannohill	1978-80
White Sulphur			
Springs	Wh. Sulph. Spgs. H.S.	Ken Marks Connie Perkins	1978–80 1977–78
Winnett	Winnett H.S.	Frank Witter	1977-78
Wolf Point	Wolf Point H.S.	Arthur Sikkink	1977-80

AVERAGE SOLAR RADIATION DURING HEATING SEASON

Location	1977	1978	1979	3-year average
Anaconda	Maddina	3.76	3.27	3. 52
Billings	4.17	3.79	3.92	3.96
Bozeman	3.55	3.69	3.65	3.63
Browning	3.74	3.98	4.19	3•97
Butte	4.00	3.46	3.71	3.72
Choteau	djameleni	3.58	3.88	3.73
Colstrip	4.84	4.04	3.70	4.19
Dillon	4.01	4.26	4.29	4.19
Ennis	- Managana	4.24	3.89	4.07
Fort Benton	diffusion	3.43	3.26	3•35
Glasgow	3.84	3.71	3.80	3 . 78
Glendive	3.74	3.43	3.96	3.71
Great Falls	3.60	3.63	3.69	3.64
Hamilton	3.38	3.26	3.30	3.31
Harlowton	3.97	3.95	4.14	4.02
		0		- 40
Havre	4.05	3.38	3.61	3.68
Helena	3.62	3.73	3.78	3.71
Jordan	more.	2.93	3.56	3.24
Kalispell	3.16	3.06	2.73	2.98
Lewistown	4.05	3,75	3•39	3•73
Libby	3.62	2.94	2.64	3.06
Livingston	entrang.	3.96	3.37	3.67
Miles City	3.98	3.78	4.03	3•93
Missoula	3.13	3.11	2.88	3.04
Plentywood	consis	3.72	3.58	3.65
Polson	2.98	3.09	2.76	2.94
Red Lodge		3.92	4.06	3.99
Sidney	******	3.53	3.66	3.60
Thompson Falls	garant.	2.84	3.24	3.04
West Yellowstone	4.17	3.58	3.81	3.85

LOCATION OF RECORDING STATIONS AND AVERAGE DAILY SOLAR RADIATION

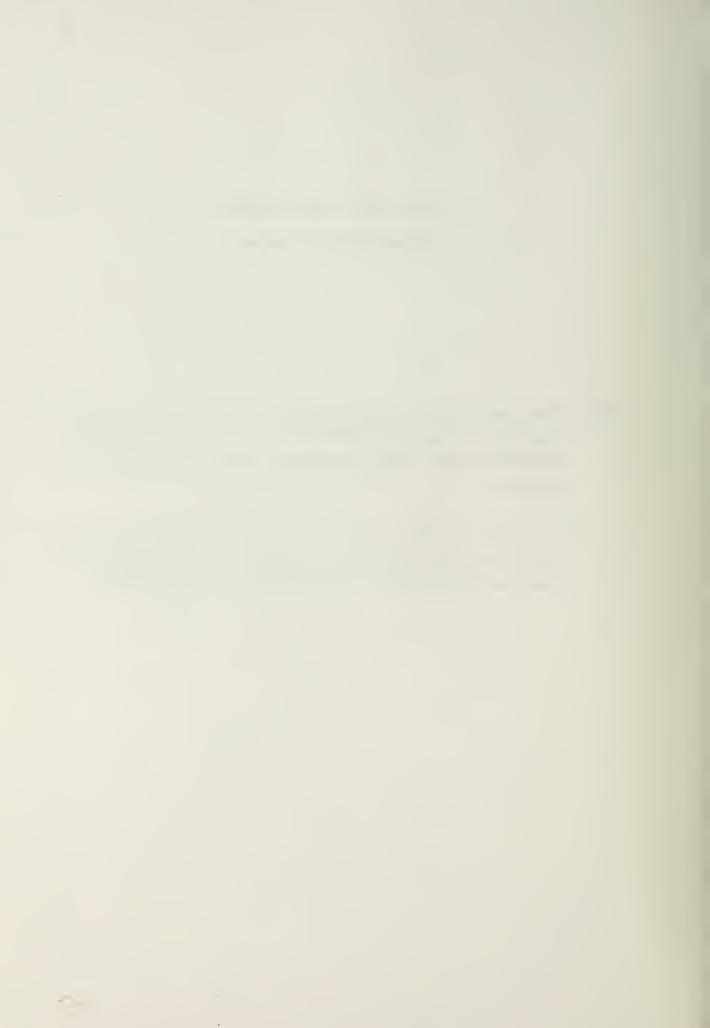




1979 SOLAR DATA - WEEKLY AVERAGES alphabetically by station

NOTE: The solar radiation values presented in these tables were all measured on a surface tilted 60° up from the horizontal and facing due south. Units are kilowatt hours per square meter per day.

The solar data tables flag lost data with parenthesis placed around the daily average. These parenthesis indicated that at least one day of data was missing in the averaging period.



Montana Department of Matural Resources and Conservation compiled by: Fowlkes Engineering, Mozeman, Mt.

STANTING	DAILY AVERAGE KWH/SH/BAY										940LD 91.0		
								, .,					
JAN 1	(3.40)	02	69	62	67	55	50	36	31	19	2	0	0
JAN 7	1.00	68	33	3.3	29	24	22	1.8	15	Ģ	0	()	0
JAN 14	(2,36)	0.4	66	57	51	41	32	13	5	0	Đ.	0	0
JAN 21	3,49	95	79	65	55	51	44	33	25	19	5	()	0
UAN 28	4.06	91	85	76	68	57	4.7	40	3.4	25	ó	()	0
FEB 4	2.79	93	79	63	48	40	34	20	18	12	5	0	0
FEB 11	(1.95)	82	63	55	35	25	1.1	9	4	0	0	()	()
FEB 18	(4:10)	96	89	87	70	63	55	42	3.7	20	7	0	0
FEB 25	3.93	95	78	56	58	52	37	33	28	20	9	8	j
8AR 4	(1.34)	21	21	1.5	5	5	0	()	0	0	0	0	0
5AR 11													
MAR 18	(8.79)	9.6	93	92	82	82	80	73	62	55	30	0	0
MAR 25	2.94	92	27	52	35	27	18	15	ò	É	1	0	0
APR 1	4.46	95	85	75	5,7	46	37	35	22	18	5	()	0
APE 0	3.90	91	76	66	51	44	39	23	7.6	Ģ	6	()	()
APR 15	7.01	93	24	5.4	44	33	25	13	10	3	0	0	0
APR 22	4.20	93	25	88	50	43	3,7	29	1.9	12	0	0	0
APR 29	4.01	9.4	84	72	£7	44	3.2	23	11	9	3	()	0
BAY &	3.99	9 1	75	67	58	43	58	21	12	Ć)	2	0	0
8AY 13	10 m (4 m) √2 m (4 m)	95	88	80	72	62	55	45	28	12	0	0	0
#AY 20	5.09	94	88	7.7	71	62	57	45	27	3	0	0	()
MAY 27	3.79	93	No	45	44	56	22	7.4		\hat{I}_{f}^{0}	0	0	()
JUM Z	(4,24)	92	73	53	57	44	3.1	33	12	3	0	0	0
(HIM 10	4.74	93	88	7.7	- 69	60	4.5	43	1.5	0	0	()	0
358 17	Tr. 44	88	7/2	62	54	42	28	25	17	6	0	0	0
JUB 24	4 (11)	92	83	7.2	40	48	3 .	34	10	8	0	Ω	Q.
UUL 1	4.20	9.1	85	7.8	68	57	4.8	20	20	2	0	0	0
, H.H 19	4.62	973	83	7.5	64	49	40	24	15	- 3	÷.	()	0
JUL 15	5.09	94	89	8.4	- 25	66	56	45	30	8	0	0	()
JUL 22	7.40	877	24	60	57	41	32	23	1 5	7	0	0	0
JUL 29	5.00	95	922	89	83	77	2.0	59	48	23	7	()	0
AUG 5	4.45	91	84	7.8	72	65	55	39	25	3	0	0	0
AUG 12	2.75	7.7	62	50	3.7	34	27	24	15	3	2	0	0
AUS 19	3.20	- 88	72.7	7.1	58	45	35	48	3	0	0	0	0
AUG 23	(3.65)	55	80	68	54	43	31	23	19	7 7	2	0	0
9EP 2													
SEP 9													
SEP 16	(5.34)	99	94	91	78	67	5.6	50	40	23	12	0	0
SEP 23	4.497	977	90	8.3	76	62	52	37	20	15	3	9	0
866 39	8.60	98	95	0 1	88	80	70	60	45	32	3.0	0	0
901 7	4.69	84	79	76	7.2	66	59	42	-11	35	7	0	0
00T 14	7 77	85	59	49	40	3.7	28	23	17	11	8	2	0
0CI 21	1.70	83	61	35	26	18	9	4	0	0	0	0	0
00T 29	3.20	90	77	73	68	61	50	44	20	23	Ď	~	0
MOU 4	2.85	21	54	56	51	. 44	38	30	1.5	10	0	0	0
#00 11	3.01	95	83	7,7	39	54	59	50	39	28	Ü	0	0
MOV 18	(3.54)	95	88	97	78	- 58	57	44	31	3.2	0	0	0
HOU 25	(3.48)	9.3	92	83	GS	77	67	52	36	2	0	0	0
UEC 2	1.94	76	56	48	44	40	31	28	20	9	£	0	0
DEC 9	2.56	84	75	66	62	52	4.2	27	1.9	9	Ą.	0	0
DEC 16	2.10	9.3	76	55	55	44	28	20	17	0	0	0	0
DEC 23	2.00	95	90	9.4	26	62	51	27	3.7	2	0	0	0
DEU 30	(3:42)	97	90	86	81	74	57	47	25	0	0	0	0

Montana Department of Natural Resources and Conservation compiled by: Fowlkes Engineering, Rozenan, Mt.

HEEK STARTING	DAILY AVERAGE KUH/SM/DAY										340LD >1.0	(KU/ >1.1	
JAR 1	(3.65)	97	80	71	6 5	59	52	41	29	21	1	0	0
JAN 7	2.90	92	20	82	59	55	41	27	21	16	0	0	ő
JAN- 14	5.23	99	97	93	89	83	79	21	50	36	ś	Ö	0
JAN 21	3.37	9.4	78	43	5.5	47	30	33	20	11	3	0 .	0
JA# 28	4.79	9.7	91	88	83	77.4	53	55	42	28	14	0	0
FFR 4	3.79	95	85	7.7	69	52	4.3	33	24	1,7	4	0	0
FEB 11	(3, 23)	95	81	54	157.4	46	37	30	23	12	4	0	0
FFE 18	4.80	98	92	83	71	35	58	45	33	22	8	0	0
FEB 08	3.81	94	79	కేవ	59	50	43	35	28	20	13	0	0
MAR 4	4.13	95	87	79	48	59	53	45	34	20	11	13	0
#AR 11	51.54	9.2	84	79	77	71	35	59	48	3.1	Ģ	0	0
#AR 18	4.19	88	24	65	51	55	51	45	37	်နှင့်	12	0	9
#AR 25	3.17	9.4	82	35	52	3.9	24	13	5	2	9	0	0
APR 1	(3.89)	95	84	72	65	52	40	22	16	5	0	0	0
APR 8	4.32	25	74	62	59	50	43	3.9	38	1.6	0	0	0
APR 15	(4,98)	96	91	83	80	71	62	55	39	8	0	0	0
APR 22	(3.95)	99	71	54	46	45	39	32	53	5	0	0	0
APR 29	3.19	88	70	50	49	38	21	12	8	9.9	0	0	0
MAY 6	3.90	92 95	76 90	80 82	- 52 - 23	43 64	39 53	- 28 - 39	2.2	11 6	0	0	0
MAY 13 MAY 20	5.08 5.49	7.0 9.6	92	9.4 9.9	83	776	- 33 - 63	47	27	0	0	0	0
66Y 27	3,50	93	#Z #3	61	52	45	31	20	p p	0	0	0	0
H 131 - 327	A 124	9.4	88	78	48	52	3.7	22	10	3	ű	ő	0
JH32 10	5.25	95	92	88	81	70	59	46	15	0	0	0	0
JUN 17	4.23	93	85	7.7	66	62	53	35	12	0	0	0	0
JUN 24	(5.77)	9.6	94	90	84	73	55	55	28	0	0	0	Ö
JUL 1													
JUL 8	(C) * (57)	95	92	90	84	78	65	52	33	0	0	0	0
JUL 15	5.72	95	93	91	94	78	62	58	33	0	0	0	0
JUL 22	4.10	90	80	70	63	53	4.4	37	22	0	0	0	0
JUL 29	5.72	96	94	9.1	85	77	69	58	38	0	0	0	0
AUG 5	4.89	95	90	82	21	65	5.4	43	3.2	1	0	0	0
AUG 12	3.79	93	71	62	53	47	40	29	22	- <u>5</u>	0	0	0
AUG 19 AUS 24	4.07	95	84	74	- 64	54	47	39	32	13	0	0	0
AUS 28 SEP 2	5.29 6.19	9.7 9.9	91 96	97 93	77 89	71 94	53 75	46 - 87	36 53	3.3	0	0	0
95,6 9	(6,86)	99	70 97.	9.1	89	85	80	70	54 54	38	11	0	0
SEP 14	6.57	98	93	93	99	84	7.7	70	58	34	1	Ö	0
8EP 23	5.02	97	94	91	84	81	71	61	49	33	1	0	0
SEP 36	5.25	977	94	<i>ပု</i> ဂ္ပ	81	75	65	53	37	20	0	Ö	0
001 7	4.59	84	70	75	70	57	50	43	31	. 9	1	0	0
001 14	3.09	9.4	73	7.0	64	51	37	29	1.7	6	0	0	0 .
901 21	4.44	97	91	79	23	57	58	45	32	13	1	0	0
OCT 28	7.99	91	81	75	70	65	61	56	44	30	3	0	0
AQU 4	3.05	89	66	57	47	.42	377	29	23	13	0	0	0
MOV 11	4,10	80	24	69	63	59	54	47	38	19	0	0	0
MO# 18	3.62	81	72	39	64	53	47	37	29	14	1	0	0
MOV 25	4.71	9.4	8.7	81	79	74	57	5.7	45	20	0	0	0
BEC 2	2.44	80	79	70	49	38	56	26	17	0	0	0	0
DEC 9	2.34	82	76	- 66	54	47	30	23	7.5	4	0	0	0
DEC 16	2.73	90	61	51	48	43 46	36	26	13	5	0	0	0
DEC 23 DEC 30	3.21 (4.03)	97	92 94	79 94	72 83	65 70	55 34	44	30	0	0	0	0
V-0 00	CTIVU	1 00	/ "i	11	UÜ	, 0	0.1	10	WV	V	V	V	W

Montana Department of Natural Resources and Conservation compiled by: Fowlkes Engineering, Bozeman, Ht.

WEEK STARTING	DAILY AVERAGE KWH/SH/DAY										аноша 0.1<		/SH) 1 >1.2
JAK 1	(3.43)	92	73	69	59	59	52	45	35	23	0	0	0
JAN 2	2.25	67	43	38	33	30	25	23	15	10	0	0	0
JAN 14	(3.53)	92	58	53	53	49	4.4	39	31	25	12	0	0
JAN 21	(3.12)	99	58	19	44	42	39	34	30	22	Ö	0	0
JAN 28	2.66	89	58	28	26	24	23	22	19	3.7	ò	0	0
FEB 4	3.06	95	73	59	48	45	36	31	23	11	3	7	0
FEB 11	3.21	63	81	67	51	45	35	30	23	1.4	12	4	0
FEB 18	4.43	97	90	82	59	59	54	46	34	25	12	7	O
FEB 25	4.33	94	77	54	61	50	54	40	40	35	20	ó	2
MAR 4	3.94	95	83	59	51	43	3,7	34	28	24	11	0	0
MAR 11	5.45	96	88	79	74	- 66	59	45	36	26	11	0	0
MAR 18	(5.17)	97	99	92	73	- 33 - 53	50	42	32	22	11	0	0
MAR 25 APR 1	2.99	99 95	55 04	49	39 56	20	23	15 30	11	11	5 2	0	0
APR 1 APR 8	3.85 3.87	92	94 75	59 52	49	48	39 39	27	10	12	3	0	0
APR 15	4.24	7.4 95	96	75	64	54	45	36	10	13	0	0	0
APR 22	4.14	94	97 87	77	62	53	38	2.9	17	5	0	0	0
APR 29	4.24	93	77	69	59	55	44	36	29	11	0	ő	0
MAY 6	(3.80)	92	82	72	55	44	35	21	14	4	0	0	ő
#AY 13	4.63	94	88	75	<i>6</i> 5	54	42	27	15	.7	1	0	0
MAY 20	5.42	94	89	80	76	67	30	40	32	0	Ø	0	0
MAY 27	3.48	85	70	57	52	43	277	18	12	2	0	0	0
JUH 3	4.57	9.4	94	70	62	55	47	36	1.0	1	0	0	0
JUH 10	5.09	95	89	83	73	66	52	44	24	0	0	0	0
JUN 17	3.87	91	93	59	58	42	31	23	15	0	0	0	0
JUN 24	5.42	95	91	88	81	72	60	43	26	0	0	0	0
JUL 1	5.19	91	90	9.6	78	39	59	46	22	0	0	0	0
JUL 9 JUL 15	5.48	95	91	83	79	71	61 /#	50 53	27	1	0	0	0
JUL 15 JUL 12	5.65 4.22	95 92	92 87	82	82 25	75 - 85	- 65 - 56	43 43	29 25	0	0	0	0
JUL 29	5.80	9.5	94	91	85	77	88	54	33	0	0	ő	0
AUS 5	4.95	93	91	91	74	63	52	33	1.6	0	0	0	0
AUG 12	3.95	83	71	65	<i>6</i> 0	48	39	26	14	ć	0	0	0
AUG 19	(5.08)	96	92	80	81	73	63	55	41	12	1	0	0
AUG 26	4.90	93	85	7.4	<i>6</i> 8	32	52	45	32	18	1	0	0
GEb 5	5.67	96	93	87	80	73	65	53	40	18	û	0	Q
SEP 9	(6.30)	98	95	91	85	79	72	54	53	4.1	12	0	0
SEP 16	6.73	98	96	93	90	85	77	20	58	38	2	0	0
SEP 23	5.70	9,7	93	88	83	76	68	57	45	31	3	0	0
SEP 30	5.89	9,7	94	91	83	81	70	61	48	35	0	0	0
901 7	4.78	89	84	74	70	64	57	51	41	27	5	0	0
OCT 14 OCT 21	2.53	79 91	- 63 - 79	53 57	47 53	37 44	25 34	15 28	11	4 9	0 2	0	0
OCT 29	3.17 3.17	88	65	57 58	50	34	32	28	24	7	0	0	0
NOV 4	3.60	95	84	74	66	49	41	31	26	14	0	ő	0
NOV 11	4.51	97	89	87	75	<i>67</i>	59	49	36	23	0	.0	0
MOV 18	3.62	85	72	61	58	52	427	42	36	23	3	0	ő
MOV 25	4.59	95	90	82	79	21	35	56	45	30	3	0	0
DEC 2	1.38	62	3.7	30	28	21	19	14	7.7	0	0	0	0
DEC 9	2.36	7 <i>6</i>	62	55	52	42	27	21	10	0	0	0	9
DEC 15	2.44	80	. 73	60	54	39	23	30	11	5	0	0	0
DEC 23	3.76	01	80	78	72	64	5.7	50	36	14	3	0	0
DEC 30	(5.27)	66	Ģ Ģ	68	93	9.4	79	72	58	12	0	0	0

Montana Department of Matural Resources and Conservation compiled by: Foulkes Engineering, Bozenan, Mt.

WEEK STARTING	DAILY AVERAGE KWH/SH/DAY	PER CENT TOTAL ENERGY ABOVE THRESHOLD (KW/SM) >.1 >.2 >.3 >.4 >.5 >.6 >.7 >.8 >.9 >1.0 >1.1 >1.2
JAN 1 JAN 21 JAN 21 JAN 28 FEB 18 FEB 25 HAR 11 FEB 25 HAR 11 MAR 25 APR 27 APR 29 MAY 20 MAY 20 MAY 20 MAY 20 JUN 10 JUN 17 JUN 17 JUN 17 JUN 17 JUN 17 JUN 17 JUN 24 JUN 24 AUG 19 AUG 26	(5.79) 4.55 4.21 5.73 4.30 (6.08) 4.69 2.96 2.98 5.88 5.74 4.56 5.01 (5.29) (5.23) 5.08 4.83 5.04 5.37 (2.98)	97 93 89 85 78 71 60 49 32 19 0 0 97 89 85 74 64 50 41 27 16 5 0 0 97 82 86 82 75 65 58 50 32 23 3 0 93 79 69 60 51 41 30 23 14 6 2 0 97 94 87 83 76 70 60 51 39 18 2 0 95 84 73 60 46 38 33 26 15 5 0 0 87 58 43 34 26 23 19 13 6 0 0 0 81 58 37 27 18 13 13 11 5 0 0 0 81 58 37 27 18 13 13 11 5 0 0 0 81 58 90 85 79 71 60 49 38 9 0 0 0 93 86 76 60 51 36 25 17 3 0 0 0 94 85 77 67 59 49 39 27 8 0 0 0 94 85 77 67 59 49 39 27 8 0 0 0 93 87 78 70 61 47 39 30 11 0 0 0 93 87 78 70 61 47 39 30 11 0 0 0 93 87 78 70 61 54 45 22 0 0 0 0 94 86 79 73 60 52 46 34 2 0 0 0 95 89 81 70 59 52 38 28 5 1 0 0 94 88 82 77 70 61 50 34 3 0 0 0 95 89 81 70 59 52 38 28 5 1 0 0 94 88 82 77 70 61 50 34 3 0 0 0
SEP 2 SEP 7 SEP 16 SEP 23 SEP 30 OCT 7 OCT 14 OCT 21 OCT 28 NOV 4 NOV 11 NOV 18 NOV 25 DEC 2 DEC 7 DEC 16 DEC 23 DEC 30	(6.02) 5.69 5.90 5.02 5.27 2.33 3.72 3.16 (3.25)	98 95 90 85 73 66 51 34 24 0 0 0 0 98 94 91 85 79 72 61 49 25 0 0 0 0 98 95 90 82 76 68 58 47 31 1 0 0 96 92 86 81 72 64 51 39 22 0 0 0 0 95 88 83 76 69 59 48 38 21 0 0 0 61 49 42 36 30 19 15 8 6 0 0 0 96 89 82 71 55 48 39 27 22 3 0 0 0 82 67 59 52 43 39 29 26 16 3 2 0 63 49 48 46 43 39 39 33 22 6 0 0

Montana Department of Natural Resources and Conservation compiled by: Fowlkes Engineering, Boxeman, Mt.

WEEK STARTING	DAILY AVERAGE KWH/SM/DAY	•									SHOLD >1.0		
JAN 1	(4.17)	92	82	78	73	63	57	52	45	35	9	0	0
JAN 7	2.24	71	48	41	32	25	23	20	18	15	1	0	0
JAK 14	3.43	93	78	64	53	49	47	39	36	24	9	0	0
JAR 21	3.73	95	79	56	55	51	44	39	28	20	3	0	0
JAN 28	4.63	96	91	86	79	64	56	47	40	27	7	0	0
FEB 4	2.65	91	69	56	46	37	25	18	12	- 8	2	0	0
FEB 11	2.60	89	65	55	43	37	29	18	15	8	6	0	0
FEB 18	4.54	97	90	83	74	65	56	48	37	31	23	1	0
FEB 25	4.46	93	78	83	64	59	57	45	3,7	31	10	6	0
MAR 4	4.05	95	78	56	48	43	39	36	27	21	12	0	0
MAR 11	6.01	98	91	85	79	73	64	60	51 35	41	23	0	0
#AR 18 MAR 25	4.72 3.13	92 90	75 71	65 56	59 46	52 32	47 20	40	11	29 7	17 3	0	0
APR 1	(3.65)	70 95	85	69	57	41	20	10	5	3	3	0	0
APR 8	(4.01)	75 95	9,7	75	50	46	35	22	15	8	2	ő	0
APR 15	3.83	94	84	70	54	45	34	25	20	11	2	0	0
APR 22	4.13	94	84	66	53	37	30	26	20	10	0	Ö	0
APR 29	3.67	91	72	54	42	37	32	23	14	10	0	Ö	0
MAY 6	(2.99)	80	69	51	36	27	20	12	9	4	0	0	0
MAY 13	5.02	95	88	83	75	67	5.7	39	24	, o	0	0	ő
MAY 20	5.25	93	87	83	76	68	61	47	31	3	0	0	O.
MAY 27	3.96	93	85	74	57	45	32	20	12	10	0	0	0
JUN 3	4.31	92	82	69	55	50	38	27	17	3	0	0	0
JUH 10	4.51	94	87	77	69	61	45	30	10	2	0	0	0
JUN 17	3.72	87	80	72	58	50	37	21	11	0	0	0	0
JUN 24	4.41	92	88	79	69	54	48	28	1.0	0	0	0	()
JUL 1	4.54	93	87	80	75	67	54	33	20	0	0	0	0
JUL 8	(4.67)	94	29	84	75	58	40	37	14	0	0	0	0
JUL 15													
JUL 22													
JUL 29													
AUG 5													
AUG 12							,						
AUG 19 AUG 26													
SEF 2	(5.95)	0.0	04	07	07	70	7 1	7.7	67	77	Α	Λ	^
SEP 9	6.33	98 98	94 96	87 93	83 86	78 82	71 72	63 64	53 50	33	4 3	0	0
SEP 16	6.42	98	96	73	88	82	74	57	56	40	4	0	0
SEP 23	5.51	98	94	88	84	77	70	60	47	32	1	0	0
SEP 30	6.00	98	96	92	86	76	70	62	52	29	6	Ö	0
0CT 7	5.20	88	25	79	75	71	65	58	45	31	5	0	0
OCT 14	2.33	79	55	45	41	39	30	15	13	7	2	0	0
OCT 21	2.13	90	73	65	52	43	39	23	15	12	4	0	0
OCT 28	3.51	95	77	71	57	48	42	34	20	5	0	0	0
N09 4	4.00	83	18	78	72	62	58	54	39	24	4	0	0
ROV 11	4.37	89	80	79	21	67	60	48	40	24	1	0	0
NOV 18	3.67	94	71	69	62	56	50	16	39	23	0	0	0
KOV 25	4.02	98	92	86	75	65	55	43	32	15	2	0	0
1EC 2	1.78	79	57	48	41	30	18	12	દ	2	0	0	0
DEC 9	2.61	1.9	73	69	59	51	43	36	25	12	0	0	0
DEC 16	2.60	93	74	67	55	44	33	27	20	16	3	0	0
DEC 23	3.27	94	88	60	70	62	54	44	20	5	9	0	0
DEC 30	(4.88)	98	96	94	94	85	79	72	56	38	0	0	0

Montana Department of Natural Resources and Conservation compiled by: Fowlkes Engineering, Bozeman, Mt.

JARN 1	WEEK STARTING	DAILY AVERAGE KWH/SM/DAY										SHOLD >1.0		
JARR 7														
LANK 14 (2.52) 93 62 41 37 32 30 27 18 15 0 0 0 0 1 JANK 28 (3.48) 96 83 70 40 56 44 29 21 15 0 0 0 0 JANK 28 (3.48) 96 83 70 40 56 44 29 21 15 0 0 0 0 FEB 4 3.07 95 81 44 55 55 50 42 31 19 1 0 0 FEB 18 3.08 97 95 81 44 55 45 39 31 22 3 0 0 0 0 FEB 18 4.20 97 90 80 64 56 48 38 22 20 6 0 0 FEB 18 4.20 97 90 80 64 56 48 38 22 20 6 0 0 FEB 25 4.17 95 81 69 61 50 41 36 29 19 12 0 0 MAR 4 4.58 96 89 82 77 69 81 71 61 53 37 23 10 0 0 MAR 11 5.92 98 93 90 85 81 71 61 53 37 23 10 0 0 MAR 11 5.92 98 93 90 85 81 71 61 52 35 16 0 0 MAR 16 (3.28) 94 82 70 59 45 51 31 13 9 0 0 0 MAR 17 4.98 97 91 83 76 68 61 15 3 37 22 17 13 2 0 MAR 18 4.98 97 91 83 76 68 61 14 83 82 23 13 0 0 0 MAR 19 4.98 97 91 83 76 68 61 14 9 8 38 23 13 0 0 0 MAR 14 4.98 97 97 98 83 70 85 81 71 61 52 35 16 0 0 MAR 14 4.98 97 97 81 83 76 68 61 14 9 8 38 23 13 0 0 0 MAR 25 3.58 93 75 67 54 46 36 31 22 17 13 2 0 MAP 8 1 4.98 97 91 83 76 68 61 14 9 8 38 23 13 0 0 0 MAR 14 4.99 97 91 83 76 85 81 71 61 52 35 16 0 0 0 MAR 26 3.13 44 40 94 79 69 52 42 27 16 11 9 1 0 0 MAP 8 22 4.40 94 79 69 52 42 27 16 11 9 1 0 0 MAY 6 3.29 91 76 57 42 28 20 10 8 4 0 0 0 0 MAY 6 3.29 91 76 57 42 28 20 10 8 4 0 0 0 0 MAY 6 3.29 91 76 57 42 28 20 10 8 4 0 0 0 0 MAY 6 3.29 91 76 57 42 28 20 10 8 4 0 0 0 0 MAY 13 4.92 95 89 80 72 53 89 80 72 53 89 90 12 0 0 0 0 0 MAY 20 5.65 95 91 88 81 70 63 50 28 4 0 0 0 0 0 MAY 20 5.65 95 91 88 81 70 63 50 28 4 0 0 0 0 0 MAY 14 4.83 93 85 74 67 64 55 43 82 29 12 0 0 0 0 0 MAY 21 4.51 94 88 77 93 82 73 59 49 39 24 14 1 1 0 0 0 0 0 MAY 22 5.55 96 92 87 81 73 67 54 38 28 15 0 0 0 0 0 0 MAY 24 4.83 93 85 74 67 68 55 44 79 11 27 0 0 0 0 0 MAY 25 5.79 98 95 89 83 73 65 56 44 83 50 80 0 0 0 0 0 0 MAY 26 5.79 98 95 89 83 73 65 56 44 83 50 80 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													_	
UAM 21												-		_
ARIA 28												-		_
FEB 4													_	_
FLB 11												•		_
FEB 18												-		
FEB 25						-								_
MAR 1						• • • •						_		
#ARR 11													_	
### 25												16	_	_
APR 1	MAR 18		94	82	20		45	25	13			0	0	
APR 8	MAR 25	3.58	23	75	67	54	46	36	31	22	17	13	2	0
APR 15	APR 1	4.98	97	91	83	76	48	61	48	38	23	13	0	0
APR 22		3.73		76	66	55	42	27	16		9	1	0	0
APR 29		4.61	97		73		54	47	41		18	5	1	0
MAY 6											-		_	
##AY 13												_	_	_
HAY 20												-	_	
MAY 27												-		
JUN 3											•	-		
JUN 10			• •										_	
JUN 17												-	_	•
JUN 24											_	-		
JUL 1 4.83 93 88 81 75 64 54 38 29 2 0 0 0 JUL 15 5.13 95 89 82 68 58 51 40 22 0 <											-	-	_	_
JUL 8 5.13 95 89 82 68 58 51 40 22 0 0 0 0 0 JUL 15 5.55 96 92 87 81 73 61 46 26 1 0 0 0 0 JUL 12 2 JUL 22 JUL 29											_		_	.,
JUL 15 5.55 96 92 87 81 73 61 46 26 1 0							50					0	0	0
AUG 12 AUG 19 AUG 26 AUG 26 S.23 97 91 87 80 73 67 60 50 37 30 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		5.55	96	92	9.7	81	73	51	46	26	7	0	0	0
AUG 5 AUG 12 AUG 19 AUG 26 5.23 97 91 87 80 72 60 52 34 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	JUL 22													
AUG 12 AUG 19 (4.40) 87 80 73 67 60 50 37 30 15 0 0 0 AUG 26 5.23 97 91 87 80 72 60 52 34 10 0 0 0 SEP 2 5.77 98 95 89 83 73 67 59 44 17 0 0 0 SEP 9 5.95 98 94 90 85 79 72 60 49 27 2 0 0 SEF 16 6.05 98 96 92 85 80 72 63 51 34 0 0 0 SEP 23 5.54 98 95 86 81 72 63 55 45 28 1 0 0 SEP 30 4.84 97 88 83 73 65 56 44 35 23 8 0 0 OCT 7 5.00 90 81 76 69 58 54 49 41 27 3 0 0 OCT 14 (3.66) 80 76 70 66 58 48 36 24 15 3 0 0 OCT 21 (3.88) 96 91 83 74 68 58 44 32 25 7 0 0 OCT 28 4.06 87 79 77 70 64 59 52 39 28 4 0 0 NOV 4 2.38 78 62 55 53 40 27 19 13 11 0 0 0 NOV 11 4.67 98 92 87 79 68 63 57 47 27 0 0 0 NOV 12 4.63 96 90 87 80 72 65 54 41 31 2 0 0 NOV 18 4.63 96 90 87 80 72 65 54 41 31 2 0 0 NOV 18 4.63 96 90 87 80 72 65 54 41 31 2 0 0 DEC 2 2.83 81 75 70 60 54 46 37 30 15 0 0 DEC 9 (2.02) 73 62 53 47 40 37 24 12 6 0 0 0 DEC 16 23 4.03 97 89 84 81 74 65 53 33 6 0 0 0														
AUG 19 (4.40) 87 80 73 67 60 50 37 30 15 0 0 0 AUG 26 5.23 97 91 87 80 72 60 52 34 10 0 0 0 0 SEP 2 5.27 98 95 89 83 73 67 59 44 17 0 0 0 0 SEP 9 5.95 98 94 90 85 79 72 60 49 27 2 0 0 SEP 16 6.05 98 96 92 85 80 72 63 51 34 0 0 0 0 SEP 23 5.54 98 95 89 83 73 65 56 44 35 23 8 0 0 SEP 30 4.84 97 88 83 73 65 56 44 35 23 8 0 0 O SEP 30 4.84 97 88 83 73 65 56 44 35 23 8 0 0 O SEP 30 4.84 97 88 83 73 65 56 44 35 23 8 0 0 O SEP 30 4.84 97 88 83 73 65 56 44 35 23 8 0 0 O SEP 30 4.84 97 88 83 73 65 56 44 35 23 8 0 0 O SEP 30 4.84 97 89 81 76 69 58 54 49 41 27 3 0 0 O SEP 30 4.84 97 89 81 76 69 58 54 49 41 27 3 0 0 O SEP 30 4.84 97 89 81 76 69 58 58 44 32 25 7 0 0 O SEP 30 4.84 98 95 86 91 83 74 68 58 44 32 25 7 0 0 O SEP 30 4.84 98 96 91 83 74 68 58 44 32 25 7 0 0 O SEP 30 4.06 87 79 77 70 64 59 52 39 28 4 0 0 O SEP 30 4.06 87 79 77 70 64 59 52 39 28 4 0 0 O SEP 30 4.06 87 79 77 70 64 59 52 39 28 4 0 0 O SEP 30 4.06 87 79 77 70 64 59 52 39 28 4 0 0 O SEP 30 4.06 87 79 77 70 64 59 52 39 28 4 0 0 O SEP 30 50 50 50 50 50 50 50 50 50 50 50 50 50														
AUG 26														
SEP 2 5.77 98 95 89 83 73 67 59 44 17 0														
SEP 9 5.95 98 94 90 85 79 72 60 49 27 2 0 0 SEP 16 6.05 98 96 92 85 80 72 63 51 34 0 0 0 SEP 23 5.54 98 95 86 81 72 63 55 45 28 1 0 0 SEP 30 4.84 97 88 83 73 65 56 44 35 23 8 0 0 OCT 7 5.00 90 81 76 69 58 54 49 41 27 3 0 0 OCT 14 (3.66) 80 76 70 66 58 48 36 24 15 3 0 0 OCT 21 (3.88) 96 91 83 74 68 58 44 32 25 7 0 0 OCT 28 4.06 87 79 77 70 64 59 52 39 28 4 0 0 NOV 4 2.38 78 62 55 53 40 27 19 13 11 0 0 0 NOV 11 4.67 98 92 87 79 68 63 57 47 27 0 0 0 NOV 18 4.63 96 90 87 80 72 65 54 41 31 2 0 0 NOV 25 4.29 97 92 87 84 75 64 52 37 14 0 0 0 DEC 2 2.83 81 75 70 60 54 46 37 30 15 0 0 0 DEC 9 (2.02) 73 62 53 47 40 37 24 12 6 0 0 0 DEC 16 2.31 91 76 60 49 36 20 10 7 0 0 0 DEC 23 4.03 97 89 84 81 74 65 53 33 6 0 0 0														
SEF 16 6.05 98 96 92 85 80 72 63 51 34 0 0 0 SEP 23 5.54 98 95 86 81 72 63 55 45 28 1 0 0 SEP 30 4.84 97 88 83 73 65 56 44 35 23 8 0 0 OCT 7 5.00 90 81 76 69 58 54 49 41 27 3 0 0 OCT 14 (3.66) 80 76 70 66 58 48 36 24 15 3 0 0 OCT 21 (3.88) 96 91 83 74 68 58 44 32 25 7 0 0 OCT 28 4.06 87 79 77 70 64 59 52 39 28 4 0 0 NOV 4 2.38 78 62 55 53 40 27 19 13 11 0 0 0 NOV 11 4.67 98 92 87 79 68 63 57 47 27 0 0 0 NOV 18 4.63 96 90 87 80 72 65 54 41 31 2 0 0 NOV 25 4.29 97 92 87 84 75 64 52 37 14 0 0 0 DEC 9 (2.02) 73 62 53 47 40 37 24 12 6 0 0 0 DEC 9 (2.02) 73 62 53 47 40 37 24 12 6 0 0 0 DEC 23 4.03 97 89 84 81 74 65 53 33 6 0 0 0														
SEP 23 5.54 98 95 86 81 72 63 55 45 28 1 0 0 SEP 30 4.84 97 88 83 73 65 56 44 35 23 8 0 0 OCT 7 5.00 90 81 76 69 58 54 49 41 27 3 0 0 OCT 14 (3.66) 80 76 70 66 58 48 36 24 15 3 0 0 OCT 21 (3.88) 96 91 83 74 68 58 44 32 25 7 0 0 OCT 28 4.06 87 79 77 70 64 59 52 39 28 4 0 0 NOV 4 2.38 78 62 55 53 40 27 19 13 11 0 0 0 NOV 11 4.67 98 92 87 79 68 63 57 47 27 0 0 0 NOV 12 4.63 96 70 87 80 72 65 54 41 31 2 0 0 NOV 25 4.29 97 92 87 84 75 64 52 37 14 0 0 0 DEC 2 2.83 81 75 70 60 54 46 37 30 15 0 0 DEC 9 (2.02) 73 62 53 47 40 37 24 12 6 0 0 DEC 23 4.03 97 89 84 81 74 65 53 33 6 0 0 0														
SEP 30 4.84 97 88 83 73 65 56 44 35 23 8 0 0 OCT 7 5.00 90 81 76 69 58 54 49 41 27 3 0 0 OCT 14 (3.66) 80 76 70 66 58 48 36 24 15 3 0 0 OCT 21 (3.88) 96 91 83 74 68 58 44 32 25 7 0 0 OCT 28 4.06 87 79 77 70 64 59 52 39 28 4 0 0 MOV 4 2.38 78 62 55 53 40 27 19 13 11 0 0 0 NOV 11 4.67 98 92 87 79 68 63 57 47 27 0 0 0 NOV 18 4.63 96 90 87 80 72 65 54 41 31 2 0 0 NOV 25 4.29 97 92 87 84 75 64 52 37 14 0 0 0 DEC 2 2.83 81 75 70 60 54 46 37 30 15 0 0 0 DEC 9 (2.02) 73 62 53 47 40 37 24 12 6 0 0 0 DEC 23 4.03 97 89 84 81 74 65 53 33 6 0 0 0														
OCT 7 5.00 90 81 76 69 58 54 49 41 27 3 0 0 OCT 14 (3.66) 80 76 70 66 58 48 36 24 15 3 0 0 OCT 21 (3.88) 96 91 83 74 68 58 44 32 25 7 0 0 OCT 29 4.06 87 79 77 70 64 59 52 39 28 4 0 0 MOV 4 2.38 78 62 55 53 40 27 19 13 11 0 0 0 NOV 11 4.67 98 92 87 79 68 63 57 47 27 0 0 0 NOV 18 4.63 96 90 87 80 72 65 54 41 31<														
BCT 14 (3.66) 80 76 70 66 58 48 36 24 15 3 0 0 BCT 21 (3.88) 96 91 83 74 68 58 44 32 25 7 0 0 BCT 28 4.06 87 79 77 70 64 59 52 39 28 4 0 0 ROV 4 2.38 78 62 55 53 40 27 19 13 11 0 0 0 NOV 11 4.67 98 92 87 79 68 63 57 47 27 0 0 0 NOV 18 4.63 96 90 87 80 72 65 54 41 31 2 0 0 ROV 25 4.29 97 92 87 84 75 64 52 37 14 0 0 0 DEC 2 2.83 81 75 70 60 54 46 37 30 15 0 0 0 DEC 9 (2.02) 73 62 53 47 40 37 24 12 6 0 0 0 DEC 23 4.03 97 89 84 81 74 65 53 33 6 0 0 0	the second second second second	and the first of t		81	76	المارم والمسائلة	58	54	49	61		3	0	0
BCT 28 4.06 87 79 77 70 64 59 52 39 28 4 0 0 NOV 4 2.38 78 62 55 53 40 27 19 13 11 0 0 0 NOV 11 4.67 98 92 87 79 68 63 57 47 27 0 0 0 NOV 18 4.63 96 90 87 80 72 65 54 41 31 2 0 0 NOV 25 4.29 97 92 87 84 75 64 52 37 14 0 0 0 DEC 2 2.83 81 75 70 60 54 46 37 30 15 0 0 0 DEC 9 (2.02) 73 62 53 47 40 37 24 12 6 0 0 0 DEC 16 2.31 91 76 60 49 36 20 10 7 0 0 0 0 DEC 23 4.03 97 89 84 81 74 65 53 33 6 0 0 0	OCT 14	(3.66)	80	76	70	66	58	48	36	24	15	3	0	0
NOV 4 2.38 78 62 55 53 40 27 19 13 11 0 0 0 NOV 11 4.67 98 92 87 79 68 63 57 47 27 0 0 0 NOV 18 4.63 96 90 87 80 72 65 54 41 31 2 0 0 HOV 25 4.29 97 92 87 84 75 64 52 37 14 0 0 0 DEC 2 2.83 81 75 70 60 54 46 32 30 15 0 0 0 DEC 9 (2.02) 73 62 53 47 40 37 24 12 6 0 0 0 DEC 16 2.31 91 76 60 49 36 20 10 7 0 0 0 0 DEC 23 4.03 97 89 84 81 <td>OCT 21</td> <td>(3,88)</td> <td>96</td> <td>91</td> <td>83</td> <td>74</td> <td>88</td> <td>58</td> <td>44</td> <td>32</td> <td>25</td> <td>7</td> <td>0</td> <td></td>	OCT 21	(3,88)	96	91	83	74	88	58	44	32	25	7	0	
NOV 11							64					4	0	
NOV 18 4.63 96 90 87 80 72 65 54 41 31 2 0 0 HOV 25 4.29 97 92 87 84 75 64 52 37 14 0 0 0 DEC 2 2.83 81 75 70 60 54 46 37 30 15 0 0 0 DEC 9 (2.02) 73 62 53 47 40 37 24 12 6 0 0 0 DEC 16 2.31 91 76 60 49 36 20 10 7 0 0 0 0 DEC 23 4.03 97 89 84 81 74 65 53 33 6 0 0 0														
HOW 25 4.29 97 92 87 84 75 64 52 37 14 0 0 0 DEC 2 2.83 81 75 70 60 54 46 37 30 15 0 0 0 DEC 9 (2.02) 73 62 53 47 40 37 24 12 6 0 0 0 DEC 16 2.31 91 76 60 49 36 20 10 7 0 0 0 DEC 23 4.03 97 89 84 81 74 65 53 33 6 0 0														
DEC 2 2.83 81 75 70 60 54 46 37 30 15 0 0 0 DEC 9 (2.02) 73 62 53 47 40 37 24 12 6 0 0 0 DEC 16 2.31 91 76 60 49 36 20 10 7 0 0 0 0 DEC 23 4.03 97 89 84 81 74 65 53 33 6 0 0 0														
DEC 9 (2.02) 73 62 53 47 40 37 24 12 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													_	
DEC 16 2.31 91 76 60 49 36 20 10 7 0 0 0 0 DEC 23 4.03 97 89 84 81 74 65 53 33 6 0 0 0														
DEC 23 4.03 97 89 84 81 74 65 53 33 6 0 0 0														
													-	
#EU 3	DEC 30	(4.83)	98	98	98	94	89	84	70	54	0	0	0	0

Montana Department of Natural Resources and Conservation compiled by: Fowlkes Engineering, Bozenan, Mt.

WEEK STARTING	DAILY AVERAGE KWH/SH/DAY										GlOH8 O.f<		/SM) 1 >1.2
JAN 1 JAN 7 JAN 14 JAN 21													
JAN 28	/"T () A \	6) /	0.4	07	30	/ 1.9	50	ET 4	()4		^	^	0
FEB 4	(3.84)	96	96	86	72	67	59	51	21	0	9	0	0
FEB 11 FEB 18	(4.69)	95 97	20 89	72	37 66	30 53	26 43	25 36	19 28	13	12	0	0
FEB 25	4.35	95	81	75	70	63	55	45	36	23	14	3	0
MAR 4	(4.37)	95	89	76	66	54	49	14	37	24	11	0	Ö
nas 11	4.55	94	84	71	66	59	50	43	30	14	0	0	Ö
#AR 18	(4.26)	80	74	63	57	54	51	11	35	19	4	0	. 0
MAR 25	(3.98)	95	84	75	63	43	34	25	17	8	q	1	0
APR 1	3.31	91	79	64	52	40	31	22	12	7	0	0	0
APR 8	3.92	80	73	58	16	42	38	34	25	14	0	0	0
APR 15	(3.95)	92	77	89	62	53	39	25	13	5	0	0	0
APR 22	(2.95)	80	66	49	41	34	17	6	0	0	0	0	0
APR 29	(3.96)	92	76	70	62	53	39	24	12	6	0	0	O
MAY 6													
MAY 20	(4.15)	96	86	74	68	50	36	23	5	0	0	0	0
MAY 27	(3,02)	20 83	5,7	40	39	30	22	17	6	0	0	0	0
JUN 3	(3.83)	95	88	78	59	45	28	17	5	ó	0	0	0
JUN 10	(4.60)	94	- 99	85	73	65	58	31	0	0	0	0	0
JUN 17	(4.31)	95	89	86	24	63	50	35	Ģ	0	0	0	0
JUH 24	(4.61)	93	90	81	77	73	36	0	0	0	0	0	0
JUL 1	(5.23)	96	90	8.7	84	76	60	35	0	()	0	0	0
JUL 8	(4.47)	95	84	75	66	56	56	34	0	0	0	0	0
JUL 15													
JUL 22													
JUL 29 AUG 5													
AUG 12	(4.80)	95	27	78	66	59	46	28	18	9	0	0	0
AUG 19	(3.87)	-95	82	71	54	49	38	25	13	ó	0	0	0
AUG 26	CONTRACT (# 5.4	And down	′ '	Ç) ;	",	0.0	des VI	1 5.2	v		v	· ·
SEP 2	(5.36)	98	93	85	79	72	55	41	18	2	0	0	0
SEP 9	(6.27)	97	94	89	87	79	75	65	11	0	0	0	0
SEP 16	(6.33)	98	94	92	90	83	74	69	57	3.7	Ū	0	0
SEP 23	(2,75)	97	8.7	65	7	0	0	Q	0	0	0	0	0
SEP 30	(5.78)	97	94	92	85	82	74	62	29	25	11	0	0
OCT 7	(4.89)	97	89	86	76	72	66	66	28	19	0	0	0
OCT 14													
0CT 28	(2.77)	91	87	78	72	59	45	22	15	0	0	0	0
NOV 4	(1.84)	86	69	51	29	23	8	0	0	0	0	0	0
#0V 11	3.07	79	68	65	57	48	27	13	2	0	0	0	0
NOV 18	(4.91)	99	98	93	90	81	70	56	33	0	0	0	0
HOV 25	(2.96)	86	72	62	56	47	34	25	6	0	0	0	0
DEC 2	(2.13)	03	71	49	42	29	28	18	15	8	0	0	()
DEC 9	2.74	91	78	68	63	56	39	30	12	0	0	0	0
DEC 16	3.10	93	79	63	56	46	39	28	13	1	0	0	0
BEC 23	(2.95)	96	84	24	61	37	30	23	0	0	0	0	0
DEC 30	(3.38)	97	90	79	63	63	48	37	25	0	0	0	0

Montana Department of Natural Resources and Conservation compiled by: Fowlkes Engineering, Bozeman, Mt.

MEEK STARTING	DAILY AVERAGE KUH/SH/DAY										SHOLD >1.0	(KU/ >1.1	
	A 5	0.0		(0)	1·0. 2	pa /	4.0	4.4	***		•		
JAN 1	(3.41)	88	64	62	53	56	49	44	33	7	0	0	0
JAN 7	(2.18)	83	51	41	32	28	23	19	14	3	0	0	0
JAN 14	(4.28)	9.7	94	86	76	73	64	54	40	32	13	0	0
JAR 21 JAR 28	3.85 5.21	96	84 92	73 82	63 76	55 20	41	35	30	22 35	11 22	0	0
JAN 28 FEB 4	3.98	98 95	85	- 82 - 21	- 70 - 67	62	67 51	63	45 33	17	Č Č	0	0
FEB 11	3.21	93	83	88	55	$-\frac{62}{45}$	41	28	19		5	2	0
FEB 18	4.27	97	92	83	70	55	43	30	25	12	3	0	0
FE9 25	3.94	93	83	70	54	41	34	31	26	17	4	0	Ö
MAR 1	(4.59)	94	82	64	57	49	46	38	27	22	8	0	ō
BAR 11	5.71	97	93	83	75	66	59	50	41	31	14	0	0
MAR 18	(5.08)	96	90	81	73	67	62	48	45	25	10	2	0
MAR 25	(3.66)	95	78	65	42	33	26	19	16	- 7	3	0	0
APR 1	4.61	96	90	79	69	53	44	28	20	12	3	0	0
APR 8	4.75	96	85	76	69	58	51	41	31	20	0	0	0
APR 15	5.02	96	88	75	66	55	49	42	33	- 27	11	2	0
APR 22	5.15	88	81	72	66	60	55	45	35	20	Ą	0	0
APR 29	(5.90)	95	92	86	84	75	88	57	45	22	2	0	0
MAY 6	(3.79)	93	81	51	43	40	33	18	11	4	0	Q	0
MAY 13	4.92	95	91	82	73	57	40	28	12	2	0	0	0
MAY 20	5.59	95	90	85	79	72	60	49	30	ó	0	0	0
MAY 27	(3.08)	90	63	44	36	28	17	10	7	0	C	0	0
308 3	3.96	0.7	83	71	59	45	26	10	- 6	j ·a	0	0	0
JUN 10	(4,42)	93 94	87 84	72	57 66	49 55	35 41	23	15 19	7 2	0	0	0
JUN 17 JUN 21	4.71 5.34	7.4 95	89	23 83	74	67	5.7	30 43	23	0	0	0	0
JUL 1	(5.10)	94	89	81	73	62	52	41	28	4	0	Ö	0
JUL 8	5.39	95	91	94	75	65	56	47	29	1	0	0	Ö
JUL 15	5.94	96	92	88	82	75	67	56	39	1	0	Ö	0
JUL 22	4.45	91	75	65	60	58	51	39	24	5	0	0	0
JUL 29	6.26	96	93	89	86	80	73	64	47	Ġ	0	0	0
AUG 5	5.14	95	89	82	23	64	54	45	35	13	3	0	0
AUG 12	4.17	65	65	61	5.7	55	19	42	33	19	3	0	0
AUG 19	5.52	96	92	25	81	76	5.7	56	43	30	12	0	0
AUG 26	5.45	96	93	85	79	72	63	51	35	18	0	0	0
SEP 2	5.65	97	92	87	81	75	66	58	50	28	4	0	0
SEP 9	6.94	98	96	94	91	85	91	74	65	45	2	0	0
SEP 16	6.74	98	96 95	95	91	84	81	71 61	60	35 34	0	0	0
SEP 23 SEP 30	5.97 6.50	97 98	97	92 95	90 90	78 86	71 82	68	56	38	5 12	0	0
OCT 7	6.56	99	96	95	91	87	82	75	64	45	12	0	0
OCT 14	2.96	86	74	62	50	35	27	22	15	12	3	2	0
00T 21	7.20	95	85	77	68	56	46	32	22	16	6	2	0
OCT 28	(4.87)	97	91	86	77	68	62	54	40	28	7	0	Ö
NOV 4	(4.11)	89	76	69	61	56	48	42	29	18	8	0	0
NOV 11													
£09 18													
KOV 25	(4.82)	97	92	81	75	23	65	58	44	31	3	0	0
DEC 2	2.21	84	65	48	42	34	30	22	15	2	0	0	0
DEC 9	3.76	96.	91	85	82	77	6.7	52	33	14	0	0	0
DEC 16	2.69	92	79	64	51	42	32	23	15	3	0	0	0
DEC 23	4.11	96	92	88	81	76	66 70	52	31	0	0	0	0
DEC 30	(4.53)	99	97	92	84	84	78	71	37	0	V	0	0

Montana Department of Natural Resources and Conservation compiled by: Fowlkes Engineering, Bozeman, Ht.

WEEK STARTING	DAILY AVERAGE KUH/SM/DAY										9H0LD >1.0		/SM) 1 >1.2
JAM 1	(3.24)	86	65	64	60	59	55	19	40	24	0	0	0
JAR 7	2,28	78	41	39	33	32	26	21	17	13	0	0	0
JAN 14	3, 19	95	60	67	55	48	38	32	18	15	3	0	0
JAN 21	3.15	91	68	51	46	39	37	32	25	16	5	0	0
JAN 28 FEB 4	5.01	97	88	73	68	61	57	53	48	37	24 10	0	0
FEB 4 FEB 11	(3.00)	90 88	- 71 - 57	51 46	42	34 28	26 28	23 24	21	19 15	6 · ·	0	0
FEB 18	(4.26)	9,7	89	71	67	62	50	45	38	21	10	3	0
FEB 25	4.43	90	78	64	59	57	54	45	39	30	22	2	0
MAR 4	4.54	96	87	79	65	55	45	39	29	23	13	0	0
MAR 11	5.59	9,7	93	85	76	21	59	47	41	31	11	0	0
#AR 18	5.52	9.7	93	82	- 25	69	61	53	14	30	11	()	0
MAR 25	(3.29)	9.4	83	67	54	33	27	21	15	5	5	0	()
APR 1	3.95	93	79	70	57	49	30	28	13	7	4	()	0
APR 8	4.14	93	13	62	50	45	36	29	22	15	3	0	0
APR 15 APR 22	(3.33) (4.98)	94 96	90	62 76	47 66	33 58	21	10 38	5 29	3	0	0	0
6PR 29	3.99	92	76	62	51	41	35	28	21	Ģ	0	0	0
may 6	3.71	93	82	65	54	40	32	24	13	7	0	0	0
MAY 13	4.62	94	86	76	64	53	42	26	19	3	0	0	0
MAY 20	5.05	94	88	84	74	64	55	41	22	1	0	0	0
MAY 27	3.13	79	60	48	39	30	22	15	7	0	0	0	()
JUH 3	4.68	94	8.7	70	63	55	43	32	1.7	0	()	0	0
JUN 10 JUN 17	4.79	94	-84 -79	77	69 60	64 47	56	27	18	1 1	0	()	0
JUR 24	(3.95) (5.66)	95	29	59 82	79	25	35 60	54	17	0	0	0	0
JUL 1	4.37	93	84	76	65	55	44	32	16	0	0	ő	Ö
JUL 8	4.92	91	89	81	73	61	50	36	16	0	0	0	0
JUL 15	5.41	94	90	85	28	73	64	48	25	1	0	0	0
JUL 22	4.35	92	85	76	70	58	46	38	24	5	0	0	0
JUL 29	5.96	96	94	90	25	79	70	59	40	0	0	0	()
AUG 5	4.71	94	88	08	73	63	50	36	19	7	0	0	0
AUG 12 AUG 19	3.50° 4.96	82 95	88	57 84	47 78	38 73	32 64	24 54	23 43	14	0	0	0
AUS 26	(3.94)	91	9,7	91	74	70	55	37	25	77	0	Ö	0
SEF 2	(5.98)	98	94	91	84	84	73	65	56	41	4	Ö	0
SEP 9	6.51	98	96	92	89	24	78	69	58	39	3.	0	0
SEP 16	6.42	98	98	92	88	82	77	66	54	3.7	1	0	0
SEP 23	5.77	97	94	80	23	77	69	59	43	27	1	0	0
CEP 30	5,05	9.7	-95	90	85	70	70	54	10	27	2 	0	0
0CT 7 0CT 14	5.90 2.54	98 84	96 69	90 56	87 49	82 37	25 30	64 18	53 15	38 15	?	0	0
0CT 21	3.27	01	83	76	68	61	4.7	40	25	13	ė ė	0	e e
OCT 28	4.14	96	83	70	65	55	50	41	27	20	8	0	0
MOA 4	(4.43)	95	82	76	70	68	60	55	43	() () 4×1×	2	0	0
KOV 11	(.55)	14	0	O	Q	0	0	0	0	0	0	0	0
MOV 18	4.23	92	81	79	76	73	66	55	47	38	12	3	0
NOV 25	1.47	98	93	86	81	73	64	58	42	28	2	0	0
DEC 2 DEC 9	1.38 2.79	6Q 89	35 79	29 73	19 64	15 57	15 50	14 37	13 29	15	0	0	0
DEC 16	ALA 2 7 20 EU 1	72	77	58	50	47	37	30	18	6	0	0	0
DEC 23	4.09	94	86	81	76	74	64	51	40	19	0	0	0
BEC 30	(5.19)	98	98	95	92	92	82	75	60	35	0	0	0

Montana Department of Natural Resources and Conservation compiled by: Foulkes Engineering, Bozeman, Mt.

WEEK STARTING	DAILY AVERAGE KWH/SH/DAY										5HOLD >1.0		Sh) >1.2
JAH 1	(2,83)	96	89	84	67	63	55	37	0	0	0	0	0
JAK Z	1.75	79	48	36	27	27	22	12	0	Ö	0	0	0
JAK 14	3.03	94	75	67	62	52	43	31	0	0	0	0	0
JAH 21	2.57	82	71	58	53	42	39	31	0	. 0	0	0	0
JAN 28	3.44	96	81	77	72	62	19	33	6	0	0	0	0
FER 4	(2.79)	84	- 24	88	62	56	52	43	29	12	0	0	0
FEB 11	3.54	93	28	73	54	55	47	37	30	21	0	0	()
FEB 18	3.25	9.6	80	64	60	53	48	35	18	ć	0	0	0
FEB 25	3.28	93	73	5,7	52	44	39	33	26	13	3	0	0
MAR 4	4.29 5.17	98 85	83 82	73 79	64 75	58 71	53 61	44 53	32 43	25 28	3	0	0
HAR 18	4.16	95	84	75	66	54	47	37	31	15	2	0	0
MAR 25	2.95	94	81	56	35	19	16	11	8	3	0	ő	0
APR 1	3.86	95	70	72	63	52	41	29	18	11	1	0	0
APR 8	3.34	81	69	64	56	51	39	29	21	6	0	0	0
APR 15	4.13	52	- 70	68	60	55	46	30	28	15	1	0	0
APR 22	3.48	88	60	51	43	37	29	24	17	2	0	0	0
APR 29	3.09	87	52	30	36	33	30	25	16	5	0	0	0
MAY 6	2.96	88	64	54	38	25	21	14	10	3	2 3	0	0
MAY 13 MAY 20	4#35 5.15	95 95	85 88	73 80	- 66 - 75	55 67	45 54	29 43	20 28	8	0	0	0
MAY 27	4,14	94	94	73	65	51	35	24	12	1	e	Ö	0
JUN 3	3.90	92	81	66	54	42	31	26	11	1	0	0	0
JUH 10	4 00	9.7	92	83	76	66	53	37	21	2	0	0	0
JUR 17	4.45	96	89	76	<i>6</i> 5	58	48	39	22	1	0	0	0
JUN 24	5.07	96	91	85	79	70	59	48	3.0	0	0	0	0
JUL 1	4.59	92	88	7.8	69	62	55	44	2,7	0	0	0	0
JUL 8	5.03	96	90	81	74	64	52	40	26	0	0	0	0
JUL 15 JUL 22	5.60 (2.50)	9,7 81	94	89 23	22 22	78 19	68 17	53 14	34 9	2	0	0	0
JUL 29	Value UV7	G i	*i 44	6. 4	A. A.	i 7	i /	1.1	7	V	V	V	V
AUG 5	(5.62)	9.7	92	88	82	77	69	59	42	1	e	0	0
AUG 12	5.56	977	93	9.7	80	71	61	53	35	18	0	0	0
AUG 19	3.46	91	777	66	58	47	33	22	15	6	0	0	0
AUG 26	5.81	98	91	90	85	80	73	63	54	30	2	0	0
CEP 2	6.07	98	96	94	89	83	73	67	55	35	0	0	0
GEP 9	5.12	9.7	91	85	79	69	58	51	ने दो स्टब	28	8	0	0
SEP 16 SEP 23	5,96 5,61	99	96 98	93	89 88	81 83	71 75	61 61	51 48	28 27	0	0	0
SEF 30	4.48	97	89	82	71	62	55	40	33	19	2	0	0
OC1 7	4.67	9.5	86	80	76	69	61	49	35	15	0	0	0
OCT 14	2.76	65	58	55	47	41	37	35	26	15	0	0	0
0CT 21	3.49	60	23	75	69	63	16	38	31	14	0	0	0
BCT 28	3.82	0.7	92	25	75	68	54	43	38	18	0	0	0
RUV 4	1.58	7.7	59	49	36	29	177	12	11	0	0	0	0
NOV 11	3.52	8,7	79	74	21	64	54	43	34	14	0	0	0
MOV 18 MOV 25	4.03 2.39	60	97 63	93 49	92 46	88 42	70 39	51 29	31 21	1 0	0	0	0
HEC 2	2.01	81	74	67	59	16	35	22	7	0	0	Ó	0
NEC 9	1.69	72	51	50	48	40	24	15	6	0	0	Ö	0
DEC 16	1.12	45	40	27	16	13	12	9	4	0	0	0	0
ນຄດ້ 23	3.25	95	87	80	70	74	63	49	22	0	0	0	0
DEC 30	(3.73)	99	97	94	94	94	79	62	22	0	0	.0	0

Montana Department of Natural Resources and Conservation compiled by: Foulkes Engineering, Bozenan, Mt.

WEEK STARTING	DAILY AVERAGE KUH/Sh/DAY										SHOLD >1.0		(SM)
JAH 1	(3,82)	9.77	93	85	80	72	56	53	31	0	0	0	0
JAR 7	3.01	07	84	81	69	53	43	31	12	4	0	0	0
JAH 14	3.97	977	88	69	63	59	55	16	36	14	0	0	0
JAR 21	2.95	95	80	68	60	45	33	20	12	3	0	0	0
JAR 28	1.19	9.7	92	88	.28	63	56	41	34	20	0	0	0
FEB 4	2.79	91	62	44	42	38	29	22	18	14	0	0	0
FEB 11	3.84	92	74	61	53	19	45	30	33	21	9	()	0
FEB 10	1.66	9.7	91	21	73	69	59	49	36	25	11	()	0
FEB 25	4.70	96	89	76	66	59	51	44	33	27	19	2	0
MAR 1	5.26	96	92	8.4	25	62	55	48	40	31	3	1	0
MAR 11	6.14	98	95	89	88	99	72	63	50	32	6	0	O
MAR 18	5.51	9.7	94	90	84	70	59	48	36	21	4	0	()
MAR 25	3.77	95	82	61	43	34	24	19	15	11	5	1	0
6PR 1	4.47	92	79	72	64	49	41	33	18	7	3	0	0
APR 8	(5.77)	96	94	60	87	83	73	45	38	7	0	0	0
APR 15 APR 22	(4.26)	90	66	57	55	50	14	38	31 13	22	0	0	0
APR 29	3.59 3.32	80 97	- 23 - 68	51	39	39 23	29 21	21 17	13	4	0	0	0
MAY 6	3.48	21	67	59 59	48	36	24	18	11	4	0	0	0
MAY 13	4.39	93	84	75	69	61	51	42	23	2	0	0	0
MAY 20	5.59	95	91	96	770	73	60	47	29	()	C	0	0
MAY 27	4.30	89	80	74	65	53	40	26	14	0	0	0	0
JUR 3	5.01	94	27	79	68	60	42	3.7	24	10	0	0	0
JUN 10	(5.92)	95	92	88	82	27	64	49	30	3	0	0	0
JUH 17	(5, 32)	25	90	25	78	68	61	50	30	4	0	0	C
JUNE 24	5.54	95	89	83	78	71	61	48	30	1	0	0	0
JUL 1	5.29	95	29	23	71	69	58	16	25	0	0	0	0
30L 8	5.31	95	90	93	73	66	53	36	21	0	1	0	0
JUL 15	(4.16)	02	86	75	58	37	24	Q	0	0	0	0	0
JUL 22													
JUL 29													
AU8 5	(5.54)	9.6	91	25	24	66	58	42	29	2	0	0	0
AUG 12	5.35	95	88	78	71 75	64	54	42	30	11	0	()	0
AUG 26	5.05 5.15	96	/ 1	279	, 0	67	54 59	40	29	11	0	0	0
SEP 2	4.33	97	84 96	91	21 88	67 81	74	63	36 50	14	0	0	0
SEP 9	(4,44)	80	82	60	53	53	50	44	32	21	3	2	0
SEP 16	6.19	99	ψ <u>5</u>	92	88	82	72	61	45	27	1	0	0
SEP 23	5.98	9.8	96	92	86	82	71	61	45	18	0	0	0
SEP 30	5.03	99	93	85	72	20	61	16	30	17	0	0	0
001 Z	4.38	82	76	74	66	62	55	41	30	20	0	()	0
OCT 14	3.67	62	81	20	56	48	39	23	12	1	0	()	0
0CT 21	3.98	95	86	79	69	59	53	39	29	18	0	()	()
OCT 28	4.37	9.7	92	85	75	66	5.4	45	34	17	0	0	0
M00 4	₹ € 62!	85	49	33	28	18	15	14	10	0	0	()	0
HOU 11	3.89	89	83	77	72	68	52	16	29	1	0	0	0
NOV 18	3.77	84	81	78	68	54	50	39	23	10	0	0	0
#0V 25	2.76	90	64	61	4.7	46	38	33	19	0	6	0	0
UEC 2	1.66	77	59 - m 7	50	38	31	25	2	5 er	0	0	0	0
DEC 9	1.58	60	53	46	37	29 ms	15	7	5	0	0	0	0
DEC 16	2.92	95 91	27 71	80	70	55	42	27	1	0	0	0	0
DEC 30	3.29 (3.81)	9 i 98	71 95	67 88	61 83	58	51	39 29	16	0	0	0	0
DEC SV	(0.01)	76	70	0.0	04	21	54	4.7	U	v	U	U	V

DEG 23 DEC 30 Hontana Department of Matural Resources and Conservation compiled by: Fowlkes Engineering, Bozenan, Mt.

WEEK STARTING	DAILY AVERAGE KUH/SH/DAY		ER CE										/Sh) 1 >1.2
JAH 1 JAN 7 JAN 14 JAN 28 JAN 28 FEB 4 FEB 11 FEB 18 FEB 25 MAR 4	3.82 (4.00)	96 95		78 75	66 69	51 60	41	26 41	21 36	14 23	9	0	0
HAR 11 MAR 18	(11007	, ,	00	, 0	0,		*/	••	0.0	20	•		V
MAR 25 APR 1 APR 8 APR 22 APR 29 MAY 13 MAY 20 MAY 27 JUN 3 JUN 10 JUN 17 JUN 17 JUN 21 JUL 1 JUL 22 JUL 22 AUG 5 AUG 19	(2.99) 4.09 3.04 (4.94) (3.76) 4.54 5.67 3.98 (4.76) 4.75 4.75 4.53 4.99 4.76 (4.42) (4.72) 5.23 4.71 (4.39) (5.54) 4.30	83 87 95 96 97 97 97 97 97 97 97 97 97 97 97 97 97	77 66 90 74 92 79 88 85 86 91 91	46 73 54 81 72 88 77 77 88 77 8 77 88 77 88 77 88 77 88 77 88 77 88 77 88 77 88 77 88 77 88 77 77	39 61 71 43 61 61 63 72 69 77 67 77 67 67 76 76 76 76 76 76 76 76	29 55 29 41 35 52 53 53 57 57 57 57 57 57 57 57 57 57 57 57 57	195112852928922464756	15 10 30 40 51 32 34 32 34 37 36 40 27 47 31	11 12 18 28 15 20 16 22 10 0 24 15 5 0	91013151293008013010049	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000
AUG 26 SEP 2 SEP 9 SEP 16 SEP 23	5.06 5.68 4.65 (6.02) (3.19)	96 97 92 98 96	90 94 83 96 91	83 91 74 94	78 87 69 90 77	66 79 63 83 55	59 72 57 79 37	50 60 48 68 12	35 43 40 54 0	23 20 21 32 0	0 0 0	0 0 0 0	0 0 0 0
SEP 30 OCT 7 OCT 14 OCT 21 OCT 28 NOV 4 NOV 11 NOV 18 NOV 25 DEC 2 DEC 9 DEC 16	(3.13)	94	27	67	51	43	34	13	13	0	0	0	0

Montana Department of Matural Resources and Conservation compiled by: Fowlkes Engineering, Bozeman, Mt.

WEEK STARTING	DAILY AVERAGE KUH/SH/DAY										SHOLD >1.0		'Sh) >1.2
IAN 1	/ "" - 13" 7 3	0.3	0/4	67	70	/ *	0.7	71	13.7	4.7	۸	^	0
JAN 1 JAR /	(3.77) 2.41	9,7 81	90 43	- 38 - 38	- 69 - 38	61 34	46 32	36 28	26 25	13 12	0	0	0
JAN 14	3.55	95	80	77	83	60	16	34	27	6	0	0 -	0
JAN 21	3.13	89	64	61	56	49	44	38	30	21	1	0	0
JAN 28	3.79	93	82	73	63	54	472	35	25	13	2	0	0
FEB 4	(2.82)	96	70	63	54	45	41	3,7	23	Ģ	3	3	ō
FEB 11	(4.00)	9.7	89	80	69	55	19	42	34	31	15	0	0
FEP 18	3.79	94	22	61	54	42	42	37	26	14	6	0	0
FEB 25	(4.17)	91	24	65	56	54	50	43	36	24	11	()	0
MAR 4	95.4	96	88	79	23	53	5.4	46	40	29	Ç	0	0
MAR 11	5.45	80	83	79	75	69	62	56	48	32	13	0	0
MAR 18	1.09	88	77	60	32	54	40	34	29	21	3	0	O
MAR 25	3.32	63	80	59	36	26	23	1.8	15	11	6	4	0
APR 1	3.69	0.4	81	63	53	44	31	20	12	5	1	0	0
APR 8	3.82	89	74	65	52	49	41	30	24	12	5	0	0
APR 15	4.30	91	78	72	64	51	44	36	23	12	3	0	0
APR 22	3.55	91	71	55	42	34	58	17	. 4 ©	4	0	0	0
APR 29 MAY 6	3.39 3.29	84 91	67 75	52 57	46 36	3 <i>6</i> 25	29 16	23 9	18	9	0	0	0
MAY 13	4.98	94	88	82	74	62	51	39	29	5	0	0	0
MAY 20	5.27	94	87	7.7	23	61	55	45	27	0	0	0	0
MAY 27	5.34	94	78	6.7	557	46	32	20	11	0	0	0	0
308 3	4.09	91	82	71	57	42	27	16	Ģ	3	0	0	e
JEHR 10	5.59	95	91	8,7	08	66	54	41	25	1	0	0	U
JUE 17	4.25	91	77	68	55	-12	312	22	1/	1	0	0	0
JUN 24	5.42	23	87	9.0	75	48	55	38	24	4	0	Q	0
JUL 1	5.13	64	6.5	84	78	69	5,7	42	24	3	2	0	0
JUL 8	5.33	95	89	82	78	66	54	44	30	5	0	0	()
JUL 15	5.87	9.6	63	87	81	73	63	50	30	2	0	0	0
JUL 22 JUL 29	4.00 5.81	87 96	69 92	55 82	49 83	41 76	37 58	28 56	16	0 5	0	0	0
AUG 5	5.78	95	90	86	82	75	62 -	57	40	ა 5	0	0	0
AU6 12	5 54	96	90	84	78	67	61	49	37	1,7	2	0	0
AUG 19	4.59	0.1	78	74	67	59	52	42	29	12	0	0	0
AU6 25	5.75	96	92	88	82	74	68	5,7	45	23	0	0	0
SEP 2	5.87	9.7	93	20	81	74	67	58	48	30	0	0	0
SEP 9	5.99	0.77	92	50	84	18	76	83	59	44	8	1	0
SEP 16	6.32	9.6	96	92	87	13	72	62	50	33	3	0	Ō
SEP 23	5.70	98	93	84	83	7,6	6,7	59	40	32	ô	0	0
SEP 30	4.82	95	89	8.4	77/7	66	56	41	35	20	7	0	0
001 7	5.38	65	84	80	77	73	89	5,7	46	31	1	Q.	0
00T 14 00T 21	2.00	33	58	53	96	44	41	37	28	77	3	0	0
8CT 28	3.41 3.62	95 92	83 26	73 69	5.7 61	43 55	33 50	21 43	15 39	? 26	0 2	0 9	0
NOV 4	2.48	64	57	52	48	44	39	31	23	- 26	0	0	0
6000 11	4.29	94	88	81	78	20	62	48	3,7	16	0	0	0
MOV 18	4.55	9.7	94	92	83	76	67	55	42	18	0	Ö	0
MOV 25	3,55	93	78	74	70	64	5 á	4.7	39	14	0	0	0
DEC 2	2.54	94	85	72	58	44	32	24	15	3	0	0	0
BEC 9	(2,49)	82	71	59	49	42	32	24	11	O	0	0	0
DEC 16	1.95	86	23	63	44	22	14	11	6	0	0	0	0
DEC 23	1.03	96	94	89	84	79	67	50	34	0	0	0	0
DEC 30	(4.64)	58	98	95	91	81	75	61	36	0	0	0	0

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WEEK STARTING	DAILY AVERAGE KWH/SM/DAY										6H0LD >1.0		
JAR 1	(3.49)	81	72	66	٥٥	55	19	43	36	15	0	0	0
Jan 7	(2.19)	74	52	19	37	33	30	25	11	6	0	0	0
JAN 14	2.77	94	69	56	50	31	32	28	20	2	0	0	0
JAR 21	3.13	92	.78	62	51	46	41	37	27	9	Q	0	0
JAM 20	3.98	93	83	78	72	66	52	43	36	18	0	()	0
FEB 4	2.00	25	55	41	30	27	26	15	9	3	0	0	0
FEB 11	1.94	64	56	40	32	21	16	13	43	11	ti A	0	0
FEB 18 FEB 25	3.41 3.44	96 92	86 08	64 57	53 42	42 38	30	27 23	19	15 15	Ą Ģ	0	0
MAR 4	1.30	90	79	71	63	54	48	41	31	22	11	0	0
MAR 11	5.07	95	86	76	74	65	5.7	48	43	32	17	Ó	0
MAR 18	5.78	9,7	94	80	85	78	73	61	52	41	17	2	0
MAR 25	2.87	83	62	50	10	32	22	15	8	0	0	0	0
APR 1	3.49	91	83	20	53	42	3.2	21	13	7	1	0	0
AFR 8	3.61	91	80	65	49	30	30	1,7	13	5	2	0	0
APR 15	4.14	95	83	66	51	42	36	24	18	12	0	0	0
APR 22	4.42	90	70	70	62	10	41	31	25	11	0	0	0
APR 29	4.44	93	76	63	55	52	16	39	30	16	0	0	0
MAY 6	4.03	6.3	84	70	53	36	24	17	12	ర	1	0	0
MAY 13	5.20	95	85	79	70	64	51	40	32	14	0	0	0
#AY 20	5.56	95	90	83	25	67	59	50	34	11	O	0	0
MAY 27	(3.82)	93	81	65	47	34	23	1,7	11	10	0	0	0
JUN 3	4.32	92	80	75	64	50	38	25	13	0	0	0	0
JUN 10	5.07	95	91	8,7	81	75	65	53	36	5	0	0	0
JUM 17	3.95	21	73	63	53	48	377	29	20	4	0	0	0
JUN 24	4.90	93	83	71	64	56	47	3,7	10	0	0	0	0
JUL 1	4,82	92	84	70	72	66	59	46	29	1	0	0	0
JUL 8	5.20	9.4	89	81	71	-66 -75	59	45	31	5	0	0	0
JUL 15 JUL 22	6.02	95 87	92 76	88	82 63	7.4 57	47	56 35	40	0	0	0	0
JUL 22 JUL 29	4.44 5.31	96	92	9,7	26	- 68 - 68	42	35	27	77	0	0	0
กบช 5	(6.56)	96	94	90	86	779	68	55	44	6	0	ő	0
AUG 12	(0 400 /	, 0	/ "\	, (/	20	, ,	U.G	.,,,	1 1	,	v	v	v
AUG 19													
AUG 26													
SEP 2	(6.20)	98	96	91	97	70	72	64	52	27	Q	0	0
SEP 9	6.05	9.0	95	01	84	99	71	61	48	28	4	0	0
SEP 16	6.09	98	98	93	88	83	76	66	40	277	0	0	0
SEP 23	5.02	9.7	65	67	78	88	5.7	44	36	22	0	0	0
SEP 30	6.11	65	9,7	93	89	83	74	64	52	31	Ą	0	0
OCT 7	5.53	98	92	88	81	75	65	59	40	32	(). e.	0	0
0CF 14	3.05	60	72	65	56	46	42	3,7	23	20	11	0	0
001 21	1.21	65	39	24	16	10	8	2	0.4	0	0	0	0
001 28	3.51	9.7	73	64	58	47	37	31	21	1 1	0	0	0
#0# 4 #0# 44	(3.21)	9.7	88	85	80	65	52	41	21	77	0	0	
MOV 11	3.92 2.82	82 81	77 69	73 60	72 51	59 42	56 38	50 34	39 22	13	0	0	0
#0V 25	4. U. 3. 22	95	89	96	729	42 67	49	33	17	0	0	0	0
050 2	G : 25 : 04	7.J 48	21	14	10	7	2	ou O	0	0	0	0	0
DEC 9	1.02	75	58	49	36	34	25	17	8	1	0	0	0
DEC 16	1.67	84	71	57	38	27	16	14	3	0	0	0	0
DEC 23	2.74	94	84	74	62	47	38	20	11	Ö	0	Ö	0
DEC 30	(1.30)	74	64	56	43	26	26	0	0	0	0	0	0
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,			ur sar		***	THE THE			•			

Montana Department of Matural Resources and Conservation compiled by: Fowlkes Engineering, Bozenan, Mt.

WEEK STARTING	DAILY AVERAGE KUH/SM/DAY										dloHS		/8m) 1 31.2
JAN 1 JAN 7 JAN 21 JAN 28 FEB 4 FEB 11 FEB 18 FEB 25 MAR 4 MAR 11 MAR 18 MAR 25	(4.37) 4.65 4.20 3.61 4.79 3.69 4.39 5.63 (1.31)	96 97 96 85 97 90 92 94	93 93 89 77 93 77 77 85 45	95 79 69 84 54 71 82 15	75 75 74 63 74 49 66 79 0	61 64 70 51 62 46 58 69	51 59 60 39 55 38 51 63 0	48 49 51 27 40 32 41 48 0	36 37 43 21 26 23 26 40	20 27 29 14 15 16 19 29	37 15 35 94 17 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
APR 8 APR 15 APR 22 APR 29 MAY 6 MAY 13 MAY 20 MAY 27 JUN 3 JUN 10 JUN 17 JUN 24 JUL 1 JUL 1 JUL 15 JUL 22	(3.02) 3.67 4.99 5.19 3.43 4.21 4.82 4.16 5.39 (5.56)	93 88 94 94 89 92 94 91 95	80 66 88 87 67 83 86 84 91	55 55 80 79 55 70 78 74 85 86	44 46 72 71 45 60 66 59 79 80	28 34 64 64 38 49 57 47 73	10 28 53 54 28 42 46 38 63 62	0 19 41 41 20 29 34 28 45 44	0 12 28 28 17 17 20 14 21	0 9 12 3 0 1 2 0	0 0 2 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0
JUL 29 AUG 5 AUG 12 AUG 17 AUG 17 AUG 26 SEP 2 SEP 16 SEP 23 SEP 30 BUT 7 OCT 14 OCT 21 OCT 22 ROW 4 AUW 11 ROW 18 AUW 15 DEC 2 DEC 9 DEC 16 DEC 23	(3.69) 4.53 5.64 5.75 6.26 6.56 5.74 5.23 5.02 (3.30) 4.45 2.69 2.71 4.27 4.04 (4.22) (3.28) 2.30 (2.91) 3.79	8546888428490474557	60 93 93 95 95 95 95 95 95 95 87 88 89	57 89 89 81 90 87 70 81 64 53 71 82	53 73 81 7 89 85 71 3 6 1 4 4 9 9 3 8 8 7 7 6 7 8 7 7 8 7 8 7 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 9 9 9	40 5 7 6 0 3 7 6 2 8 7 6 2 8 7 6 2 8 7 6 2 8 7 6 2 8 7 6 2 8 7 5 5 3 5 3 5 6 2 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	41 51 60 77 60 70 70 70 70 70 70 70 70 70 70 70 70 70	31 38 50 52 53 54 51 51 52 53 54 54 54 54 54 54 54 54 54 54 54 54 54	24 30 42 55 55 55 55 55 55 55 55 55 55 55 55 55	10 16 23 39 33 26 17 119 7 3 0 8 7 12 0 2 2	0 0 0 1 19 1 5 2 0 0 3 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Montana Department of Natural Resources and Conservation compiled by: Foulkes Engineering, Bozeman, Mt.

WEEK STARTING	DAILY AVERAGE KUH/Sh/DAY										SHOLD		SM) >1.2
JAN 1 JAN 7 JAN 14 JAN 21 JAN 28 FEB 4 FEB 11	(3.30) (2.75) 4.34 3.24 3.87 3.01 (3.13)	96 95 98 84 97 91	90 83 94 80 87 62 24	77 78 87 70 81 54	70 71 80 64 75 49 47	56 52 76 52 60 44 44	44 37 53 43 48 35 37	34 17 52 32 29 27 29	15 0 32 22 17 20 20	0 0 12 2 2 7 16	0 0 0 0 0 0 7	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0
FED 18 FEB 25 MOR 4 MOR 11 MOR 18 MOR 25 APR 1 APR 8 APR 15 APR 22 APR 29 MAY 6 MAY 13 MAY 27 JUN 3 JUN 10 JUN 17 JUN 24 JUL 1 JUL 8	(5.19) 5.08 5.24 5.29 3.43 4.06 3.14 3.93 3.53 (5.69) (4.41) 4.37 5.20 (3.81)	97 96 95 95 95 95 96 93 92 92 92	93 94 81 93 25 87 27 63 92 81 85 88	90 90 77 87 63 79 58 69 69 77 82 69	72 82 74 81 43 68 46 59 45 59 65 75	62 75 70 71 31 54 51 52 53 640	45 67 61 64 22 39 28 48 32 56 47 40 57 30	39 59 55 13 24 22 39 22 45 35 31 44 22	37 44 45 7 11 15 23 24 23 25 31 45	31 29 29 28 5 4 9 0 11 12 7 9	20 10 1 10 2 2 0 0 0 0 0 0	6 2 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
JUL 15 JUL 22 JUL 29 AUG 5 AUG 12 AUG 19 AUG 26 SEP 2 SEP 9 SEP 16 SEP 23 SEP 30 OCT 7 OCT 14 OCT 21 OCT 21 OCT 28 AOV 4 AOV 11 AOV 11 AOV 12 DEC 2 DEC 9 DEC 2 DEC 30 DEC 30	(3.09) 5.20 5.80 4.79 5.51 5.57 4.63 4.48 3.02 3.76 4.49 2.37 3.79 4.54 2.83 1.82 1.73 (1.73) 3.80 (3.28)	83 94 95 95 95 95 95 96 83 84 20 85 74 95	62 86 95 90 94 88 86 85 90 55 79 83 55 70 64 87 95	46 81 92 88 91 80 57 85 77 85 47 87 87 87 87 87 87 87 87 87 88 87 87 87	39 77 88 69 81 86 77 72 46 47 33 69 74 37 42 74 72	33 68 81 62 72 74 61 44 58 31 67 74 46 32 66 65	21 32 43 8 32 5 5 5 6 3 3 7 9 4 8 4 8 4 8 9 5 5 4 8 9 5 5 6 8 9 5 6 9	18 54 60 462 56 51 40 22 31 53 23 8 12 44 48	14 40 40 33 47 43 31 15 21 41 18 29 40 20 7 6 3 25 25	0 3 14 18 19 18 24 37 9 0 5 8 9 1 5 0 0 0 0	0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Montana Department of Matural Resources and Conservation compiled by: Fowlkes Engineering, Boxeman, Mt.

UEEK STARTING	DAILY AVERAGE KUH/SH/DAY										SHOLD		/SM) 1 >1.2
JAR 1	(4.02)	93	78	71	.20	67	61	50	39	20	0	0	0
JAR 7	(2.49)	77	49	43	40	35	28	22	17	7	0	0	0
JAN 14	3.48	97	83	72	61	52	43	34	27	18	0	0	0
JA# 21	3.87	96	88	67	63	57	45	37	31	24	7	0	0
JAN 28	(3.88)	95	78	74	66	63	52	41	24	12	0	0	0
FEB 4	2.71	89	_66	50	38	32	30	19	. 15	- 7	mil a committee	0_	()
FEB 11	(8.10)	92	29	61	52	38	28	27	1,7	12	9	3	0
FEB 18	4.45	9.7	90	80	23	59	49	37	29	23	11	2	0
FEB 25 MAR 4	1.54 3.94	96 90	- 88 - 25	79 63	69 55	59 42	37	42	37 26	25 15	9 7	0	0
MAR 11	5.71	9,7	89	79	73	69	60	53	45	30	3	0	0
MAR 18	4.75	96	87	80	65	60	49	41	343	19	11	0	0
MAR 25	4.04	24	84	70	60	43	38	26	1.7	11	4	0	0
APR 1	(4,42)	95	90	60	73	61	49	32	21	9	5	2	0
8 29A	3.75	66	73	65	35	43	30	23	17	8	1	0	0
APR 15	1.90	95	83	72	64	59	52	44	31	19	7	()	0
APR 22	4.30	94	80	69	61	97	37	29	* E	ć	0	0	0
APR 29 .	V 55 V	93	81	67	57	43	39	30	22	13	0	0	0
MAY 6	3.93	93	23	59	49	40	2.7	22	16	10	0	()	0
MAY 13	5.29	95	90	84	76	66	55	42	21	8	0	0	0
BAY 20	(5.55)	9.5	92	90	94	72	53	35	14	0	0	0	0
MAY 27	(4.21) 4.48	9.4 9.4	84 87	72 75	57 - 62	45	27 38	13 28	- 6 - 19	22	0	0	0
JUN 10	5 - 10 5 - 20 5 - 27	95	89	83	25 - 25	48 68	59	40	26	7	0	0	0
JUN 17	72 72 1 73 6 7 1	93	86	73	57	41	30	18	5	0	0	0	0
JUR 24	4.67	94	83	82	21	58	49	35	14	1	0	0	e
JUL 1	(4.34)	93	88	81	77	71	57	34	7	0	0	0	0
JUL 8	4.50	94	85	74	62	51	40	32	16	1	0	0	0
JUL 15	5.45	96	91	83	81	72	64	50	25	0	0	0	0
JUL 22	4.53	93	83	79	69	60	49	42	22	0	0	0	0
JUL 29	5.94	97	94	90	84	79	70	60	3.7	3	0	0	0
AUG 5	5.60	96	91	8.6	78	21	62	50	33	0	0	0	0
AUG 12 AUG 19	3.86 4.50	9.7	23 82	60 24	51 66	45 60	39 54	36 45	24	12	0	0	0
AUG 26	4.79	91	81	75	69	61	51	43	26	9	0	0	0
SEP 2	5.13	96	91	84	75	21	62	53	30	14	e	Ö	0
SEP 9	6.02	97	93	88	8:	75	64	56	46	32	2	0	0
SEP 16	6.54	9.9	96	93	88	82	75	66	52	28	1	0	C
SEP 23	5.33	0.7	91	86	78	69	60	18	39	170	1	0	()
SEP 30	5.67	98	ÇĄ	90	82	77	66	53	35	22	4	0	C
UCT 2	4.44	84	70	67	63	57	51	44	26	11	()	0	()
OCT 14	3.24	72	66	62	58	51	48	36	28	()() (m ha	10	7	0
001 21	2.88	94	60	70	60	51	35	21	12	5	4	0	0
001 28 609 4	(3.93)	25	90	81	71	65	54	42	28	16	0	0	0
MOV 1	(2,38) 4.63	75 91	59 82	51 76	42 22	40 64	35 55	28 49	19	7 26	0	0	0
809 18	3.94	01	81	76	20	۵5 خ5	50	48	39	17	0	0	0
NOV 25	3.50	8.7	83	73	67	61	50	40	16	2	0	0	0
DEC 2	1.62	78	58	49	36	26	21	21	12	9	3	0	0
DEC 9	2.66	79	72	63	5,2	51	3.9	28	15	5	2	0	0
DEC 16	2.28	01	78	62	49	37	31	18	4 4	100	0	0	0
DEC 23	3.65	9.4	83	79	69	88	57	50	38	16	1	0	0
DEC 30	(4.77)	99	98	93	87	80	53	20	54	0	0	()	0

Montana Department of Natural Resources and Conservation compiled by: Fowlkes Engineering, Bozenan, Mt.

WEEK STARTING	DAILY AVERAGE KUH/SM/DAY										SHOLD >1.0		SM) >1.2
JAR 1 JAR 21 JAR 25 MAR 11 HAR 18 MAR 15 MAR 1 MAR 25 MAR 1 MAR 25 MAR 1 JUL 27 JUL 29 JUL 29 JUL 29 JUL 29	(3.00) 2.53 3.17 3.21 3.68 (2.72) 2.11 4.71 4.27 (4.79) (4.91) 4.23 2.70 3.61 4.23 4.77 3.65 4.27 3.55 (5.39) (5.65)	95 90 95 94 93 97 94 97 94 97 97 97 97 97 97 97 97 97 97 97 97 97	87 77 78 91 81 60 93 93 81 60 72 64 81 72 84 74 92	78 6 5 6 6 5 7 8 7 7 4 5 1 7 0 9 9 3 7 9 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	62 58 55 62 78 48 34 82 59 73 68 67 29 50 48 44 57 48 82 81	46 51 49 58 70 43 25 77 66 62 23 44 58 36 37 77	40 38 40 43 57 36 48 52 56 56 57 42 42 43 43 43 43 43 43 43 43 43 43 43 43 43	22 26 34 32 33 33 11 60 41 42 44 10 25 33 40 17 25 54	8 4 9 1 7 1 4 6 6 4 9 1 3 7 4 0 3 1 8 7 2 9 8 1 1 4 9 3 2 7 3 7 3 7	0 0 4 0 0 3 4 38 19 24 22 16 6 13 4 4 4 8 3 18 26	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
AUG 5 AUG 12 AUG 12 AUG 12 AUG 24 SEP 2 SEP 9 SEP 16 SEP 23 SEP 30 OCT 7 OCT 14 OCT 21 OCT 22 NOV 4 AOV 11 AOV 18 AOV 25 DEC 2 DEC 9 DEC 16 DEC 23 DEC 30	(5.11) (4.71) 5.45 5.29 6.90 6.28 5.42 (5.28) (4.23) 4.10 4.21 4.17 2.55 4.12 3.53 3.48 1.96 (2.52)	94 957 98 98 97 98 97 98 97 98 97 98 97 98 97 98 97 98 97 98 97 98 97 98 97 98 98 98 98 98 98 98 98 98 98 98 98 98	90 92 92 97 94 94 91 91 70 87 80 63 59	856814278278258576824 85782782585768254	76 70 80 77 91 81 73 62 73 74 65 70 64 63 44 53	72 67 63 84 75 69 75 69 75 69 67 64 51 65 58 55 58 55 46	59 455 978 755 555 555 555 555 555 555 555 555 5	46 35 52 50 71 62 53 54 48 44 55 30 47 35 48 24	19 20 429 50 50 42 40 27 40 40 40 40 40 40 40 40 40 40 40 40 40	0 0 10 16 25 22 25 26 16 3 6 0 2 7 4 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Montana Department of Matural Resources and Conservation compiled by: Foulkes Engineering, Bozenan, Mt.

WEEK STARTING	DAILY AVERAGE KUH/Sh/DAY										SHOLD St.O		SM)
DINKLING	VAULOUS NAT	201	1 8 65	y' u (J)	747	7 8 0		1 41	, KD	/ 10 (A FEW	/ + # (* 8 W A
JAN 1	(4.24)	83	94	92	88	81	74	63	44	18	0	0	0
JOR 7	(2.49)	77	48	46	16	41	37	34	27	0	0	()	0
JAR 14	1.72	69	47	36	28	25	19	18	16	5	0	0	0
JA# 21	2.40	08	50	39	36	33	30	21	19	15	5	2	0
JAN 28	(2,78)	90	67	50	40	32	30	24	24	11	2	0	0
FEB 4	1.89	84	43	26	21	21	14	10	1.0	9	E	3	0
FEB 11	1.62	80	49	25	17	14	Ģ	9	7	4)	0	()	0
FEB 18	2.14	89	56	35	27	21	13	9	5	2	0	()	0
FEB 25	3.24	80	59	50	46	44	39	35	27	19	2	0	0
# AR 4	3.59	91	73	57	50	43	35	30	26	18	2	0	0
MGR 11	4.95	92	78	74	67	62	56	49	40	25	7	0	0
MAR 18	5.94	97	95	90	88	81	75	66	52	34	5	()	0
MAR 25	3 22	95	83	59	45	30	23	19	7	1	0	()	()
SPR 1	4.59	95	88	75	65	57	51	38	22	14	4	0	()
AFR 8	3,52	88	48	59	53	47	39	28	18	12	7	7	0
APR 15	(4.04)	94	84	75	66	54	40	31	27	19	ņ	?	0
APR 22	4.08	88	68	57	48	40	35	29	20	10	0	0	()
APR 29	3.40	85	69	54	49	43	37	33	18	7	0	0	0
MOY 6	(3,91)	91	73	55	47	35	28	21	18		0	0	0
MAY 13	5.13	95	रेंड	82	75	64	54	47	36	15	1	Ö	0
MAY 20	5.20	94	88	77	71	63	52	41	25	2	0	0	0
MAY 27	4.50	03	88	75	62	55	46	35	177	7	()	0	0
JUN 3	1.46	6.3	84	72	62	53	17	26	17	4	0	()	0
JUN 10	5.28	0.4	89	83	25	65	58	50	24	72	0	0	O
JUN 17	4.39	64	83	69	52	44	3,7	26	20	5	0	0	0
JUN 24	5.39	94	90	81	75	67	56	46	29	1	0	()	0
JUL 1	4.74	93	83	73	66	57	4.7	37	24	4	()	0	0
JUL 8	1.54	94	83	72	60	46	3,7	29	21	8	0	()	0
JUL 15	5.88	96	94	88	84	76	88	55	33	0	0	0	0
JUL 22	5.42	95	87	80	72	65	55	50	37	1	C	()	0
JUL 29	5.94	97	93	89	23	77	71	61	46	14	C	0	0
กบช 5	6.19	9.6	94	89	83	23	69	58	49	19	Ü	()	0
AUG 12	5,02	94	84	7.7	69	62	53	45	32	20	0	0	0
AUG 19	1.89	- 95	85	6.1		48	55	45	32	77	3	0	0
AU6 26	5,28	92	85	90	76	70	60	53	15	31	6	0	0
SEP 2	5.27	95	88	83	77.77	6.5	60	52	45	26	9	3	0
SE8 0	6.40	98	95	8.9	84	78	74	64	51	41	20	0	0
SEP 16	6.55	98	96	22	89	83	79	71	57	42	4	0	0
SEP 23	5.22	98	95	91	87	82	71	6?	56	40	11	0	0
SEP 30	(5, 82)	98	95	91	86	78	70	5/2	45	28	4	2	0
00T 7	5.09	95	91	85	82	69	58	50	34	17	0	0	0
0CI 14	2.71	83	70	61	50	38	33	25	170	?	0	0	0
OCT 21	1.33	4.7	33	26	20	17	16	13	11	ę.	2	0	()
001 28	2.87	73	61	56	52	44	39	29	23	13	0	0	0
NO! 4	1.25	10	24	17	11	31	10	5	3	()	0	0	0
11 103	1 77	42	88	32	29	21	18	15	11	1	0	0	0
81 VOM	1.89	61	54	40	36	33	25	19	8	2	0	0	0
NOV 25	1.35	47 AO	35	31	19	17	14	77	5	9 m	0	0	0
DEC 2	.91	49	38	31	21	21	15	14	8 5	2	0	0	0
DEC 16	.79 41	37	23	15	10	6	5	5	5 5	5	0	0	0
DEC 23	.61 .25	2.4 3.1	21	17	13	11 g	2	5 2	0	0	0	0	0
DEC 30	(.44)	26	0	0	0	0	0	0	0	0	0	0	0
		A. W	V				V	W		V		-	

Montana Department of Natural Resources and Conservation compiled by: Foulkes Engineering, Bozeman, ht.

WEEK	DAILY AVERAGE	!	PER (CENT	TOTA	NL E	VERGY	/ ABC	JVE .	THRE	GHOLD	(KU,/	5(1)
STARTING	KUH/SM/DAY	>.1	>.2	2.3	>.4	>.5	2.6	>.7	>.8	>.9	21.0	>1.1	>1.2
JAK 1	(3.45)	96	83	72	69	62	52	45	23	0	0	0	0
JAR 7	2.80	90	53	48	16	41	32	26	20	3	0	0	0
JAH 11	(4.37)	96	8.6	76	20	66	59	41	30	Q	0	0	0
JAII 21	(4.46)	95	- 82	78	20	68	62	53	50	30	5	0	0
JAR 28	4.26	9.2	(1.)	83	78	67	56	45	3.1	18	6	()	0
FEB 4	(3.72)	96	89	81	33	63	51	40	33	18	6	()	0
FEB 11	(3.96)	02	77	69	63	56	50	46	36	26	7	0	0
FEB 18	4.91	98	94	89	95	71	61	41	24	3	0	0	0
FEB 25	(4.52)	50	29	69	61	56	49	40	38	25	1.9	0	0
MAR 4	5.21	96	92	85	79	76	66	59	52	40	28	2	0
HAR II	5.42	87	82	75	72	67	5,7	52	42	30	17	()	0
#AR 18	(4.54)	95	81	77	59	54	42	38	32	23	11	()	0
#AR 25	2.39	89	66	49	32	33	11	8	2	2	Ø	()	0
APR 1	3.17	96	63	53	45	34	31	23	15	8	0	0	0
APR 8	4.96	96	- 85	75	67	60	50	43	31	22	8	4	0
APR 15	4.29	88	75	66	59	53	42	36	2.7	16	t	0	0
APR 22	4.15	94	82	65	53	46	34	22	14	8	0	0	0
APR 22	3.08	88	69	53	42	33	26	1.7	11	2	0	()	0
#AY 6	3.41	93	65	52	45	29	23	17	10	5	0	0	0
#AY 13	4.92	95	91	77	65	57	16	34	24	12	1	0	0
MAY 20	(6.10)	96	93	89	88	24	67	58	40	- 7	0	0	0
fiay 27													
JUN 3	(4,78)	94	84	77	58	50	3.7	31	17	3	0	0	0
JUH 10	4.80	93	88	8.1	23	61	50	36	20	3	0	0	0
JUN 17	4.60	92	82	70	59	56	50	37	27	3	0	0	0
JUN 24	5.55	95	91	84	29	72	63	50	32	0	0	0	0
JUL 1	5.23	94	88	82	78	770	62	46	25	1	0	0	0
JUL 8	5.61	95	90	85	90	74	61	50	33	1	0	0	0
JUL 15	5.21	95	91	85	80	72	64	49	31	6	0	0	0
JUL 22	(4.13)	93	76	66	49	43	32	29	21	2	0	0	0
JUL 29	(80.6)	96	94	90	84	79	- 68	54	36	1	0	0	0
AUS 5	5.42 A NO	95 95	89	83	77	70	60	49 29	30 23	10	0	0	0
AUS 12	4.58		85	69	62	54	44						
AU6 19 AU6 26	9.49	95 97	89 9 2	72 86	63 81	49 72	40 58	30 53	21	12 27	Q 3	0	0
SEP 2	5.64 5.86	977	93	8,7	83	76	48	58	49	27	0	0	0
SEP 9	6.27	68	95	91	8,7	81	73	61	19	33	10	0	0
SEP 16	6.61	98	95	93	89	83	72	66	52	33	0	0	0
SEP 27	6.06	78	95	90	86	78	72	64	50	37	0	0	0
SEP 30	5.50	9,7	93	88	83	76	68	53	37	23	3	0	0
001 7	4.95	93	86	80	72	64	55	47	35	20	0	Ü	0
OCT 14	3.03	80	64	59	55	47	44	33	20	13	5	ő	0
0CT 21	4.31	977	92	85	75	70	53	45	27	13	7	0	0
001 28	3.53	93	80	65	52	16	41	36	33	22	4	0	0
NOV 4	2.81	85	70	53	51	-42	3.7	32	235	17	Ą	4	()
NOV 11	4.20	83	25	71	65	59	50	46	35	25	0	0	0
81 404	4.61	9.7	90	85	81	72	65	58	40	22	C	0	0
809-25	3.44	92	77	66	61	55	44	37	30	16	0	0	0
DEC 2	(3.14)	93	83	73	64	60	50	16	32	8	0	0	0
DEC 9	1.76	64	45	36	28	23	21	17	13	6	0	0	0
DEC 16	2.29	80	69	55	44	35	26	17	13	6	0	0	0
BEÇ 23	4.33	96	88	60	22	66	59	52	32	14	0	0	0
DEC 30	(5.06)	98	98	94	94	84	23	66	44	36	0	0	0

Montana Department of Natural Resources and Conservation compiled by: Fowlkes Engineering, Boxeman, At.

HEEK STARTING	DAILY AVERAGE KUH/SH/DAY										SHOLD >1.0		/S ₁) 1 >1.2
JAR 1	(4.01)	98	94	90	86	81	72	52	36	1	0	0	0
Jat 7	(4.61)	99	97	95	90	83	74	74	58	25	0	0	0
JAN 14	(1.97)	77	51	43	40	36	34	27	15	()	0	0	0
JAN 21	(1.95)	90	61	10	39	36	32	21	15	5	0	()	0
JA# 28	(2.52)	93	76	68	65	55	42	29	13	A	0	0	()
FEB 4	(, () ()	57	38	29	() 1	17	13	4	Q	()	0	Ō	C
FEB 11	(1,43)	84	59	35	18	12	7	0	0	0	0	()	0
FEB 18	2.04	8.8	53	40	32	28	20	19	16	13	9	?	0
FEB 25	3.17	84	60	54	40	46	42	36	29	24	13	4m	0
mar q	3.90	95	77	69	62	56	51	43	30	29	20	()	()
MAR 11	4.98	91	81	7.7	72	67	62	52	41	35	13	0	0
mar 18	5.69	98	94	88	83	78	71	63	50	36	11	()	0
MAR 25	3.37	0.4	67	58	53	44	38	35	29	25	13	43	0
APR 1	3.90	93	82	65	56	49	34	28	20	10	7	0	0
8 34A	2.93	91	75	53	33	22	12	1.7	6	5	0	0	0
APR 15	(3.71)	94	85	66	54	40	28	19	15	. 6	2	0	0
APR 22	4.58	91	81	72	68	59	48	38	30	13	0	0	0
APR 29	3.67	87	66 89	59	51	45 53	4.0	31	26 29	15	0	6	0
MAY 6 MAY 13	1.02 5.51	95 95	91	74 87	63 81	- 23 - 23	67	38 51	36	21	4 E	0	0
MAY 20	5,02	95	88	79	22	69	44	377	21	4	0	0	0
MAY 27	4.34	94	87	7.7	5,7	57	48	37	22	$-\hat{j}$	0	Ö.	0
JUH 3	4.35	5.2	80	62	60	52	42	26	17	4	Ç	0	0
JUR 10	5.09	95	88	03	74	67	56	46	25	4	0	()	0
JUH 17	4.75	95	88	72	65	56	39	20	20	8	0	()	0
JUK 24	5.27	95	90	84	75	65	57	38	19	0	0	0	0
JUL 1	4.54	?2	82	72	61	53	41	30	17	1	0	0	0
S JUL	4.21	65	83	71	61	50	41	27	15	3	0	()	0
JUL 15	5.25	95	89	84	77	86	5,7	43	10	0	C	Q	0
JUL 22	5.19	95	88	84	79	66	55	44	29	8	0	0	0
JUL 29	6.02	9.7	93	90	83	79	70	53	39	4	0	0	0
AU9 5	6.00	9,7	93	9 1 6:7	23	77	70	60	42	6	0	0	0
AU6 12 AU6 19	(5.35) 5.02	97 - 96	90 92	83 88	82 82	70	62	43 56	34	15 25	0	0 0	0
AUG 26	4 77 \$	94	80	74	69	72 60	54	48	35	20	5	Ü	O O
SEP 2	1.10	88	26	65	58	53	96	39	30	12	0	Ö	0
SEP 9	5.09	68	95	92	85	78	73	64	53	39	7	3	0
SEP 16	6.11	99	96	93	29	83	74	65	52	27	0	0	0
SEP 23	5.49	58	95	90	88	70	7.1	60	37	23	0	0	0
SEP 30	5.51	98	96	0.2	88	75	65	54	38	17	0	()	0
0CT 7	4.96	96	92	83	73	68	6.1	55	45	18	0	0	0
0C1 14	2.33	69	53	47	42	33	30	20	15	₽.	. 1	0	0
OCT 21	(.23)	50	16	4	4	0	0	0	0	0	0	0	0
007-28	(2.66)	97	89	79	67	54	48	29	14	0	0	0	0
NOV 4 ROV 11	(1.20)	44	34	26	24	19	15 17	13	3	0	0	0	0
NOV 18	(1.16)	53 52	46 39	43	29	19	17	4	7	0	0	0	0
MOV 25	1.25	51	41	33	31	26	15	11	0	0	0	0	0
DEC 2	1.17	64	44	27	19	19	17	10	5	0	0	()	0
NEC 9	1.06	51	39	35	28	20	10	7	77	7	0	Ű.	0
DEC 16	(38)	21	0	0	0	0	0	0	0	0	0	0	0
BEC 23	.52	38	13	2	Ω	0	0	0	0	0	0	0	0
DEC 30	(.20)	0	0	0	0	0	()	0	0	Q	0	()	0

BEC 30

(4.88)

Montana Department of Matural Resources and Conservation compiled by: Fowlkes Engineering, Bozenan, Mt.

WEEK	Daily average	c	ere (NEED T	1077	/I E/	4E RG Y	' ΔRI	NE T	THRES	าสาก	(20	/ C # \
STARTING	KUH/SH/DAY												1 >1.2
r Bal													
JAN 7	(.96)	77.9	23	7	0	0	0	0	0	0	0	0	0
JA# 14	(2.70)	95	68	55	45	29	22	22	17	15	2	0	0
JAIL 21	2.48	8.8	50	45	30	37	31	24	19	13	5	0	0
JAN 28	4.47	95	13	72	68	63	56	51	45	34	19	()	0
FEB 4	3.15	91	76	59	50	48	43	36	28	18	8	1	0
FEB 11	(2,02)	80	55	39	34	26	20	16	12	2	3	0	0
FEB 19	(4.11)	88	23	66	5.7	55	52	11	35	22	16	7	0
FEB 25	(5.92)	98	96	93	92	85	78	74	69	58	46	33	8
non 4	4.21	91	85	75	66	56	50	13	31	15	8	0	0
MAR 11	5.79	96	89	24	26	73	16	59	52	37	21	0	0
MAR 18	4.34	96	89	80	69	59	4.4	35	23	14	8	5	0
MAR 25	2.61	78	53	43	37	30	25	16	11	9	4	3	3
APR 1	4.45	95	85	75	24	65	52	39	31	17	7	1	0
APR 8	3.82	93	73	60	51	47	34	27	17	ç	1	0	Ö
APR 15	4.24	95	83	72	61	53	48	27	19	13	2	0	0
APR 222	(3.02)	86	66	49	35	26	21	18	7	0	0	0	0
APR 22													
MAY 6													
HAY 13	(4.86)	91	82	7.7	71	64	53	38	28	6	3	Ű	0
MAY 20	5.58	9.5	91	84	78	71	61	48	32	5	0	0	0
MAY 27													
S Man													
JUM TO													
JUN 17	(6.05)	96	92	88	82	29	70	53	34	0	()	0	0
JUN 24	5.49	96	92	85	80	72	62	48	29	1	0	0	0
JUL 1	5.04	96	88	84	76	65	56	39	18	0	0	0	0
300	5.31	95	92	86	80	71	60	43	21	0	0	9	0
JUL 15	5.27	96	92	88	83	25	65	53	372	0	0	0	0
JUL 22	(1.58)	74	31	24	()	0	0	0	0	0	0	0	0
JUL 29													
AUG 5													
AUG 12													
AUG 19													
AUG 26													
SEP 2													
SEP 9													
SEP 16													
SEP 23													
SEF 30													
0CT /													
OCT 14													
OCT 21													
OCT 28													
107 4													
#0V 11					,,,,,,				100				0
MOV 18	(4.52)	99	95	94	85	68	63	4,7	34	22	0	0	0
NOV 25	3.20	922	76	70	67	60	16	39	30	18	0	0	0
DEC 2	1.21	48	32	26	21	21	20	11	10	0	0	0	0
DEC 9	2.25	70	53	50	48	44	36	31	24	6	0	0	0
BEC 16	2.17	88	66	60	51	41	31	19	12	3	0	0	0
DEG 23	3.37	25	83	8()	75	21	60	42	27	0	0	0	0

99 98 95 95 86 80 60 44 0 0 0

0

Montana Department of Natural Resources and Conservation compiled by: Fowlkes Engineering, Bozenam, Mt.

WEEK STARTING	DAILY AVERAGE KUH/SM/DAY	PF >.1)	ER C	ENT	TOTAL >.4>	EN!	ERGY	ABO! >.2 :	JE T	HRES >.9	HOLD ≥1.0	(K#Z)	9#) >1.2
101 1	(4.29)	99	03	83	74	70	63	54	43	20	0	0	0
JAK 1 JAK 7	3.45	9.7	87	79	67	54	45	30	23	9	0	0	()
Jak 14	4.15	96	90	84	7.5	62	53	39	32	19	0	O	Ü
JAN 21	4.11	977	92	82	78	71	62	54	45	34	15	0	G.
304 28	4.95	09	96	0()	84	70	71	61	44	22	1	0	()
ELE A	3.83	87	88	74	దర	57	50	43	37	28	16	0	()
FE0 11	3.77	9.4	80	72	63	54	43	34	25	13	6	0	0
FEB 18	5.00	9,7	84	70	72	66	57	50	41	3.0	17	()	()
FEB 25	4.59	9.72	89	74	70	63	54	19	32	22	13	3	0
MAR 4	5,89	58	95	91	88	79	75	-68	58	49	33	9	0
mar 11	5.69	95	87	79	75	70	63	53	48	40	30	11	0
nar 19	4.63	92	78	72	6/1	57	55	44	37	29	17	1 ()	()
MAR 25	4.25	94	76	70	64	58	46	33	26	19	8	0	0
APR 1	3.43	92	74	57	38	29	24	20 37	13	23	10	0	0
APR 8	4.43	89	69	64	60	54	46 51	37	29	18	7	0	0
APR 15	4.459	91	29	73	68	61 37	28	19	12	5	3	0	0
APR 22	3.67	82	74	58	45	62	55	46	90	17	0	ő	0
APR 29	5.11	95	91	82 59	7.1 43	29	20	- 4Ω - 6	3	0	0	0	0
MAY 6	3.23	91	75 89	82	71	61	53	39	28	8	3	0	0
MAY 13	5.01	96	93	872	82	75	62	49	29	5	0	0	0
MAY 20	5.71	26		59	UE	46	40	33	17	0	0	0	0
EAT 27	4.24	89	76 88	82	72	57	45	27	17	4	0	0	0
JUN 3	4.94	95 94	94 94	85	76	70	60	46	34	0	0	0	0
JUN 10	5.38	9.4	- 7 i - 83	65	54	43	30	20	14	6	0	0	()
JUN 17	4.30	64	89	83	72	63	54	38	25	0	0	0	0
JER 24	5.13 4.98	93	96	76	65	559	51	37	14	0	Q	0	C
JUL T	(4.65)	95	90	81	66	54	43	33	13	0	0	()	0
JUL 8 JUL 15	Ville Sasav	7 (3	, ,	***									
JUL 22	(5, 95)	96	94	89	80	76	67	56	43	0	()	0	()
JUL 29	A COLE LOS L												
AUG 5													
AUS 12	(4,72)	96	91	85	88	- 62	43	27	22	0		0	0
AUG 19	(4.70)	76	21	24	21	54						0	O.
AU9 26	5.45	92	93	89	82	75	63	49	3.0			0	0
SEP 2	5.04	96	88	80	7234	63	56	4.7	36			0	0
SEP 9	6.37	98	96	0.5	89	82	75	65	54			0	0
SEP 16	5,85	98	95	91	8,7	9.8	70	59	43			0	0
SEP 23	4.50	83	86	70	71	63	54	43	32			0	0
SEP 30	E. O.	92	81	79	75	69	6.2	54	40			0	0
00T 7	3.74	94	79	67	57	50	42	38	30			()	0
001 14	(3.59)	94	89	21	61	35	27	17 54	13 35			0	0
BCY 21	(4.72)	63	90	6.7	79	76 57	59 50	40	30			()	0
OCT 28	7,94	25	89	82	67	16	13	77	3			Q.	()
ROV 4	1.79	83	56	39 83	28 26	65	55 55		3.7			0	Ö
NUV 11	4.31	93 69	- 88 - 65	58 58		49	46		20			0	0
81 40A	2.83	90	- 78 - 78	68		47	36		1.7			0	0
MOV 25	3.05	83	71	61	50	28	23		10			0	0
DEC 2	2.07	78	62	58		41	30		13			()	0
DEC 9	2.42	97	- 86	77		61	51	32				0	0
DEC 16 DEC 23	3.64 3.99	13	83	77		64	53		33			0	0
DEC 30	(4.34)	99	94			75	25					0	0
DGU VV	1 (1 (1))	• /											

Montona Department of Natural Resources and Conservation compiled by: Fowlkes Engineering, Bozenam, Mt.

UEEK STARTING	DAILY AVERAGE KUH/SM/DAY										SHOLD >1.0		/SM) >1.2
JAIL 1	(3.81)	98	94	91	86	27	64	41	21	4	0	0	0
JAR 7	(1.82)	65	49	45	32	27	22	5	0	0	0	0	0
JAH 14	1.22	03	39	28	26	24	20	15	7	()	0	()	0
JAN 21	2.20	88	20	55	19	35	23	14	6	1	0	()	0
JAN 128	3.83	88	82	60	74	67	52	41	24	0	0	0	0
FEB 4	1.39	78	36	28	20	10	10	8	3	3	0	0	0
FER 11	1.73	76	50	42	31	24	19	10	6	2	0	0	0
FEB 18	0.70	93	80	63	48	43	37	2.7	23	15	7	1	0
FEB 25	3.00 .	84	64	19	33	229	28	25	22	1,7	3	0	0
MAR 4	3.90	92	62	60	55	50	45	42	38	20	17	4	2
MAR 11	5.16	95	88	78	69	65	60	52	45		12	()	0
EAR 18	5.21	97	91	85	78	70	62	51	38	26	5	0	0
MAR 25	2.48	81	60	47	30	21	19	10	5	3	2	2	0
APR 1	3.19	95	81	63	42	35	2.5	17	9	3	()	0	0
APR 8	3.08	78	61	52	34	24	16	13	11	8	3	0	0
APR 15 APR 22	1:11	95	87	75	56	46	34	77	24	15	3	0	0
APR 22	7.51	94	79	71	57 52	49	45	37	25 23	15	0	0	0
	3.68	89 94	- 69 - 87	57 - 69	50	43	38	34	14	o o	0	0	
MAY 13	4.11 (4.15)	88	73	63	5,7	53	46	36	21	7	0	0	0
MAY 20	(5, 23)	9.4	88	81	74	45	76 56	44	26	0	e	0	0
MAY 27	4.80	95	89	83	72	64	48	3,7	22	4	3	Ö	0
PAR Z	4.28	90	82	73	60	48	36	30	17	1	0	0	0
JUH 10	5.85	95	92	82	82	75	67	54	3.7	3	0	0	0
JUN 17	3.78	03	66	56	49	43	35	29	21	4	1	0	Ö
JUR 24	5.36	9.4	89	84	28	68	53	42	28	0	0	0	Ö
JUL 1	4.55	90	84	79	71	65	56	42	19	1	0	0	0
JUL 8	1.71	979	82	79	48	59	44	35	23	0	0	0	0
JUL 15	5.52	95	93	20	84	76	61	50	34	1	0	0	0
JUL 22	1291	94	87	78	72	64	53	13	24	2	0	0	0
JUL 229	6.11	9.77	95	91	85	80	70	52	42	**	Û	0	0
AUR 5	5.66	96	93	2,7	81	74	6.2	52	34	3	Ũ	0	0
AU8 12	1.16	68	76	69	58	51	42	32	23	9	0	0	0
AUB 19	4.93	95	88	84	29	75	70	61	47	23	3	0	0
AUG 26	4.51	88	78	73	70	63	54	39	32	17	0	0	O
95F 2	6.13	97	95	91	_83_	77	.72	_60_	47	37	8	0	0
SEP 9	ó. 02	6.5	94	40	184	75	6.7	55	11	32	6	G	0
SEF 16	6.31	98	95	92	88	82	75	65	51	36	1	()	0
SEP 23	5.27	98	92	84	26	67	61	50	37	22	0	0	0
SEP 30	6.09	98	96	91	29	78	73	66 67	50	38	7	0	0
001-7 001-14	5.21 2.79	98 86	91 20	86 58	79 54	69 42	84 38	53 30	42	30 15	0 7	0	0
001 74	60 7 7 67 2	61	20		5	0	0	0	0	()	Ó	0	0
OCT 28	(3.27)	80	79	74	20	65	50	39	30	13	0	Ü	0
MOV 4	1.63	75	59	49	34	20	1.7	o y	0	0	0	0	0
NOV 11	2.66	74	61	50	55	49	41	32	13	0	0	0	0
31 404	2.14	64	52	4.72	43	37	30	23	9	0	0	Ö	0
604 25	2.73	82	76	68	61	58	45	32	10	0	0	0	0
MCC 2	(, 777)	43	39	28	18	11	8	4	Ą	1	0	0	0
DEC 9	(1.78)	84	66	58	50	40	34	25	9	0	0	0	0
DEC 16	(.99)	51	30	24	18	18	14	11	8	0	0	0	0
DEC- 23	1.41	4.7	35	26	25	23	18	13	4	Q	0	0	0
nec 30	(2.52)	94	91	82	82	63	42	15	0	0	Ü	0	0

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WEEK STARTING	DAILY AVERAGE KUH/SM/DAY										EH0LD >1.0		/S#) 1 >1.2
JAK 1	(3.85)	96	92	85	76	71	60	57	32	5	0	0	0
JAN 7	(2,70)	86	65	61	50	43	41	30	17	2	0	0	0
JAR 14	(4.68)	88	96	94	90	83	79	24	56	19	0	()	()
JAR 21													
JAR 28	4.38	98	94	90	81	66	63	56	37	25	3	()	()
FEB 4	2.82	92	69	47	7] 1	33	34	29	25	21	10	0	0
FEB 11	3.14	23	79	54	4,7	39	33	30	24	8	1	()	()
FEB 18	4.04	95	85	72	58	45	41	36	33	24	16	()	0
FEB 25	3.92	96	88	71	62	51	46	34	25	14	8	5	0
MAR 4	4.73	98	85	74	70	67	55	19	43	34	23	5	C
MAR 11	5.20	93	85	75	21	69	66	60	52	38	24	1	0
6AR 18	2.41	76	50	43	37	28	23	12	5	0	0	()	0
MAR 25	4.12	93	.75	60	51	43	35	30	24	19	11	j	1
APR 1	4.32	83	27	65	57	49	4.1	34	27	15	5	0	()
8 374g	2.93	75	60	42	33	25	17	11	8	6	0	()	0
APR 15	3.33	79	52	52	44	41	34	25	19	7	0	0	C
APR 22	3.40	81	64	52	43	37	31	4	17	7	0	0	0
APR 29	2.39	62	46	37	28	20	13	Q.	4	3	0	0	0
MAY 6	3.71	23	- 68	51	42	34	29	24	15	9	3	0	0
MAY 13	(4.78)	96	91	86	21	59	47	31	24	0	0	0	0
KAY 20	(5.59)	95	93	85	82	26 0 a	58	49	25	10	0	0	0
MAY 27	4.50	93	85	77	61	54	43	34	24	12	2	0	0
JUN 3	4.33	92 91	80 84	- 69 - 72	20 20	51	34 52	27 40	11	0	0	0	0
JUR 10 JUR 17	4.81	93	88	81	21	59	47	36	20	0	Ĉ	0	0
JUN 24	5.25	94	88	83	76	63	53	42	14	()	0	0	0
JUL 1	5.14	95	87	76	66	54	43	28	16	(-a -) An	0	0	0
JUL 8	4.82	90	82	76	65	54	45	35	22	2	0	0	0
JUL 15	5.64	95	90	84	77	69	55	38	21	3	Ċ.	0	0
JUL 22	(4.90)	93	86	84	75	59	57	43	31	é	0	0	ō
JUL 29	4.85	92	84	81	76	65	5.3	39	32	14	0	()	()
AUB 5	5.02	94	88	80	20	61	54	47	35	18	1	()	0
AU8 12	6.10	9.72	93	89	85	77	68	56	16	21	5	0	0
AUG 19	5.70	- 97	93	88	80	66	52	39	25	13	\$	0	0
AUG 26	5.43	97	89	82	21	65	52	43	31	19	2	0	()
SEP 2	6.56	98	96	92	87	79	72	64	50	27	1	0	0
CEF 9	4.24	813	71	57	50	44	39	32	25	16	1	0	0
GEP 16	5.44	95	8,7	8.0	74	68	61	52	39	11	0	0	0
85P 23	5.40	98	94	88	84	26	66	53	.23	2	0	0	0
SEP 30	U.10	9.7	93	88	13	71	62	46	35	16	0	0	0
001 7 001 14	4.19	96 94	89 72	23	76 65	67 52	59	40 31	26 22	77	0	0	0
UCT 21	3.93 3.69	823	21	71 62	56	53	41	30	22	15	1	0	e e
001 28	4.50	26	83	80	76	88	61	53	12	12	0	0	0
MOV 4	7 24	7.3	60	53	- 41	31	27	1,7	11	0		0	0
NOV 11	2.73	92	80	71	56	40	31	20	12	()	0	0	0
10V 18	2.91	60	22	63	54	49	40	28	21	ő	0	ŏ	0
NUV 25	7 G()	95	83	73	59	48	42	28	10	0	0	0	0
DEC 2	2.83	88	88	64	60	54	9,7	34	19	()	0	0	0
PEC 9	(2,03)	94	94	80	80	68	55	38	0	0	0	0	0
DEC 16	2.99	89	67	57	55	48	37	24	10	Q	0	0	0
DEC 23	(2.49)	64	49	47	47	43	40	33	25	0	0	0	0
BEC 30	(4.17)	98	9.7	92	92	21	68	52	52	10	0	0	0

Montana Department of Hatural Resources and Conservation compiled by: Foulkes Engineering, Bozeman, Mt.

WEEK STARTING	DAILY AVERAGE KWH/SM/DAY	PER CENT TOTAL EMERGY ABOVE THRESHOLD (K. >.1 >.2 >.3 >.4 >.5 >.6 >.7 >.8 >.9 >1.0 >1	
JON 1 JON 1 JON 1 JON 1 JON 14 JON 20 FEB 4 FEB 18 JON 11 JUN 17	(2.08) (2.32) (1.09) (2.28) (3.57) (1.89) 1.64 2.85 3.28 3.88 5.03 6.07 3.12 3.75 3.31 4.10 4.25 3.38 4.29 4.90 5.52	94 67 56 45 43 33 23 16 0 0 0 0 89 46 40 35 32 27 24 20 10 0 0 0 93 39 6 0 0 0 0 0 0 0 0 0 0 0 0 94 64 49 36 34 25 21 11 5 0 0 97 92 83 73 67 60 46 31 15 2 0 87 40 30 25 18 16 14 14 8 4 0 83 52 32 21 13 7 4 2 0 0 0 0 91 71 52 40 30 27 20 15 14 11 2 90 61 45 41 35 34 30 28 25 14 0 93 75 66 59 43 43 37 30 23 12 3 89 80 73 70 64 62 57 52 41 15 0 98 95 90 87 80 71 62 54 38 11 0 92 79 60 41 29 22 8 6 3 0 0 0 69 76 68 62 50 43 33 19 11 3 0 0 69 76 68 62 50 43 33 19 11 3 0 0 69 76 68 62 50 43 36 27 29 15 2 0 93 28 65 54 44 35 29 23 12 9 3 0 95 86 74 64 35 29 23 12 9 3 0 95 86 74 64 35 29 23 12 9 3 0 95 86 74 65 54 44 36 27 21 8 0 0 0 69 4 88 78 65 54 44 36 27 21 8 0 0 0 94 88 78 67 55 45 29 22 7 0 0 95 90 82 74 69 60 46 29 2 0 0	0
AUG 5 AUG 5 AUG 5 AUG 12 AUG 17 AUG 26 SEP 2 SEP 9 SEP 16 SEP 23 SEP 30 OCT 7 OCT 14 OCT 21 CUT 26 AUG 4 AUG 11 AUG 19 AUG 25 DEC 2 DEC 9 DEC 23	(5.05) 4.41 4.80 5.43 5.57 6.10 5.66 5.56 5.21 2.88 1.01 3.73 1.05 1.62 1.22 1.20 (,85)78 1.34 1.56 (2.17)	96 91 82 71 59 50 43 37 17 0 0 95 84 77 68 59 50 43 35 15 0 0 88 79 75 68 63 59 52 42 15 0 0 97 94 87 80 71 65 56 41 26 5 0 97 92 86 79 66 57 49 39 26 1 0 98 95 91 88 80 74 66 52 31 0 0 98 95 91 88 80 74 66 52 31 0 0 99 95 93 87 77 71 60 46 19 0 0 83 69 59 50 41 35 30 20 10 3 0 83 69 59 50 41	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

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WEEK STARTING	BAILY AVERAGE KWM/SM/DAY										SHOLD >1.0		/SM) E ⊃1.2
JAN 1	(2.86)	88	69	47	43	39	38	32	25	16	2	0	0
JAN 2	3.10	93	73	55	48	43	40	30	26	21	3	0	0
JAIL 14	4.75	98	95	90	85	79	76	67	54	35	7	0	0
JAR 21 JAR 28	3.44 4.82	96 98	- 85 93	69 87	58 84	48 73	62	33 54	27 44	16 26	6 9	0	0
FEB 4	1.09	96	88	79	68	56	49	41	30	21	7	0	0
FEB 11	3.83	93	72	63	61	54	48	41	32	22	8	1	0
FEB 18	4.57	97	94	88	81	68	55	48	30	19	5	0	0
FEB 25	3.85	85	70	63	55	54	50	42	36	27	14	3	0
MAR 4	4,90	96	92	28	,79	73	65	53	36	20	10	0	()
BAR 11	(5.18)	94	79	74	,70	66	52	49	36	19	7	Ö	()
har 18	4.05	94	84	69	61	50	43	33	24	12	2	0	0
#AR 25	3.83	91	77	67	55	45	40	33	23	14	6	0	0
APR 1	4.24	94	81	72	64	54	43	34	25	15	3	0	0
APR 8	4.61	25	83	68	63	51	45	37	27	13	Q	0	0
APR 15	4.49	95	87	76	£9	60	51	35	21	2	0	0	0
APR 22	4.00	87	71	61	54	47	42	34	22	9	0	0	0
APR 29	3.65 4.57	86 96	- 21 - 82	61 75	51 - 66	42 54	35 40	24 26	12	1 2	0	0	0
MAY 6 MAY 13	4.83	70 95	88	7.3	62	54 54	47	25 35	20	6	0	0	0
MAY 20	5.53	95	91	86	78	70	61	50	31	1	0	0	0
66Y 27	3.16	7,7	58	50	41	34	25	18	13	Ó	0	0	0
JUN 3	4.52	93	83	77	61	54	41	24	13	5	0	0	Ó
JUN 10	5.19	94	89	82	72	63	51	38	20	0	0	0	0
JUN 17	3.93	91	81	83	53	41	32	23	Q	1	0	0	0
JUN 24	4.94	93	86	80	75	67	52	45	23	0	()	Q	0
JUL 1	4.21	91	81	72	64	56	46	28	14	0	0	()	0
JUL 8	4.95	94	88	79	21	63	53	10	24	2	0	0	0
JUL 15	5.27	94	89	84	77	88	5.7	43	25	0	0	0	0
JUL 22	3.74	88	76	68	54	44	34	24	14	5	0	0	0
JUL 29	5.65	95	90	27	80	- 77 - 6 A	69	58	41	8	1	0	0
AUG 12	4.36 2.95	90 77	80 63	70 55	64 45	54 42	45 30	33 23	23 8	3	0	0	0
AUG 19	(4.26)	93		78			45		30		4	0	0
AUG 26	(5.15)	96	89	78	73	67	54	44	32	19	0	0	o
SEP 2	5.99	97	93	89	86	78	69	63	54	39	10	1	0
SEP 9	5.83	97	94	89	85	79	68	59	46	32	17	2	0
SEP 16	6.58	98	96	92	88	83	78	70	60	44	12	0	0
SEP 23	5.24	96	91	84	80	68	53	51	42	28	8	0	0
SEP 30	5.24	92	92	88	81	73	61	54	41	27	9	0	0
OCT 7	4.58	24	80	75	21	60	51	43	29	17	C.	0	0
OCT 14	2.28	82	66	58	50	37	28	18	16	5	2	0	0
OCT 21	5.63	98	96	93	87	82	74	67	56	44	15	3	0
0CI 28	4.09	85	76	67	59	55	50	43	34	29	16	5	0
NOV 11	3.33	93	72	55	45	40	37	31	25	21	14	2	0
11 VUM	4.56 3.50	93 88	89 75	86 69	84 65	24 54	68 41	54 37	33	27 22	9 10	0	0
KOV 25	4.67	97	- 25 - 86	82	- 85 - 78	75	65	54	43	31	0	0	0
DEC 2	2.66	84	74	71	62	55	49	42	32	ò	0	0	0
BEC 9	3.50	89	81	76	69	62	55	42	26	16	0	Ó	0
DEC 16	2.55	80	69	62	54	44	38	26	21	4	0	0	0
DEC 23	4.19	98	89	85	81	69	62	52	43	21	2	0	0
DEC 30	(4.91)	99	96	96	93	83	77	70	54	18	0	0	0

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WEEK STARTING	DAILY AVERAGE KWH/SK/DAY										3HOLD >1.0		SM) >1.2
JAN 1	(3.27)	95	80	73	88	58	45	31	18	7	0	0	0
JAN 7	3.33	96	88	78	71	63	19	32	27	14	0	0	0
JAN 14	3.60	95	83	70	61	57	42	38	30	15	0	()	0
JAN 21	3.03	95	81	65	64	47	42	37	28	8	0	0	0
JAN 28	4.81	98	96	90	87	75	62	52	36	18	0	0	0
FEB 4	3.17	91	62	48	46	42	35	32	27	21	5	0	0
FEB 11	2.92	90	69	42	36	30	26	22	17	16	9	3	0
FEB 18	(3.92)	96	90	62	49	40	34	33	27	23	13	3	0
FER 25 MAR 4	3.88 5.22	95 97	87 91	77 82	53 24	44	39 52	30 52	23	19 35	8 18	0	0
BAR 11	5.34	96	85 85	29	74	64	62	57	44	34	18	2	0
MAR 18	(3.40)	89	77	63	52	42	39	33	25	15	2	0	0
MAR 25	(4.54)	91	73	66	59	56	51	48	37	27	13	2	0
APR 1	4.53	93	85	73	69	53	44	31	17	10	2	0	0
APR 8	(4.00)	82	63	54	53	45	37	28	25	18	5	0	0
APR 15	4.06	87	24	68	62	50	39	33	23	11	1	0	0
APR 22	(3.24)	23	6 5	53	4,7	34	25	20	15	10	1	0	0
APR 29	3.46	83	20	55	48	39	30	19	11	7	2	0	0
HAY 6	2.90	84	61	39	32	24	18	14	8	1	0	0	0
KAY 13	4.32	92	84	73	88	57	44	28	15	0	0	0	0
MAY 20	5.32	?5	87	0.8	74	66	56	48	34	2	0	0	0
MAY 27 JUN 3	(5.03)	93 95	90 86	87 24	81	76 51	71 39	45 31	18	0	0	0	0
JUN 3 JUN 10	4.60 (4.03)	92	70	- 68 - 68	64 61	44	31	17	5	0	0	0	0
JUN 12	4.30	93	80	67	62	50	61	27	14	1	0	Ö	0
JUN 24	4.76	94	86	75	65	56	39	27	13	1	0	0	Ö
JUL 1	4.32	93	84	71	62	54	41	30	14	0	0	0	0
JUL 8	1.00	0.4	77	70	59	47	39	33	17	1	0	0	0
JUL 15	5.39	95	89	82	77	88	52	16	28	()	0	Q	0
JUL 22	4.89	93	86	78	21	63	53	41	25	1	0	0	0
JUL 229	(4.63)	94	85	76	67	57	40	35	25	0	0	0	0
AUG 5	4.48	95	84	78	70	56	13	34	22	5	0	0	0
AUG 12	5.16	95	88	79	73	45 E7	57	49	34	7	0	0	0
AUG 19 AUG 26	4.83 4.25	93 95	81 87	74 79	67 73	5±	16 56	39 42	28 35	18	0	0	0
GEP 2	6.09	97	95	91	88	80	72	60	46	32	1	0	0
SEP 9	4.77	9()	79	73	69	62	57	49	36	26	Ą	2	0
SEP 16	6.36	98	96	93	88	83	75	65	53	33	0	0	0
SEP 23	5.79	97	94	89	88	80	72	60	48	31	0	0	0
SEP 30	(5, 42)	98	93	90	82	73	65	57	41	25	6	0	0
00T Z	3.68	93	27	65	54	51	40	32	21	8	0	0	0
OCT 14	4.08	96	89	83	21	59	47	43	32	19	6	0	0
OCT 21	3.67	85	74	63	58	49	44	35	28	14	0	0	0
00T 28	3.50	95	_86_	77	- 68	56	44	31	25	13	0	0	0
#0V 11	2.64 3.76	88 90	- Z4 - 82	63 75	54 66	47 63	39 53	29 45	20 27	2	0	0	0
MOV 18	2.99	81	72	59	51	43	40	29	17	ó	0	0	0
NOV 25	2,22	8.7	72	53	38	34	22	12	3	0	0	Ö	0
DEC 2	(2.02)	60	64	54	50	38	28	20	16	0	0	0	0
BEC 9	(2.69)	78	74	66	58	48	38	28	19	0	0	0	0
DEC 16	3.27	94	87	08	75	58	41	30	14	0	0	0	0
DEC 23	2.73	69	66	62	5.7	51	40	29	17	0	0	0	0
DEC 30	(4.02)	98	96	89	8!	81	88	60	41	0	0	0	0

Hontana Department of Matural Resources and Conservation compiled by: Fowlkes Engineering, Bozenan, Ht.

WEEK STARTING	DAILY AVERAGE KWH/SM/DAY										SHOLD >1.0		/SM) 1 >1.2
JAN 1 JAN 7 JAN 14 JAN 21 JAN 21 JAN 21 JAN 21 JAN 21 JAN 21 FEB 11 FEB 18 FEB 18 FEB 25 MAR 1 MAR 18 MAR 18 MAR 18 MAR 20 MAY 20 MAY 20 MAY 27 JUN 17 JUN 21	(3.63) (4.04) (1.77) (1.99) (3.91) (1.34) 1.78 1.50 3.10 3.71 5.21 6.11 2.41 3.85 3.10 3.88 4.44 (2.92) (4.01) 4.27 4.97 4.56 4.70 (4.39)	97 79 51 69 72 88 90 90 91 91 93 93 93 93 93	72 78 32 45 34 54 71 79 81 85 80 88 86 84 84	83 76 55 83 20 21 57 73 57 64 77 77 77 77	78 72 0 45 80 22 32 43 54 73 87 28 46 42 40 62 35 51 60 73 66 61	70 68 0 32 68 19 28 53 69 23 58 58 58 58 58 58 58 58 58 58	59 60 185 55 40 34 62 43 40 43 55 45 55 46 47 47 47 47 47 47 47 47 47 47 47 47 47	40 54 0 143 5 7 0 29 41 52 64 4 35 41 19 12 41 19 12 41 12 41 12 41 13 41 41 41 41 41 41 41 41 41 41 41 41 41	25 39 0 9 34 5 6 0 21 32 41 53 3 20 10 16 12 21 21 21 21 20 31	0 11 0 3 19 0 4 0 18 19 28 35 3 11 4 9 12 7 0 0 0 0 9 7 0 0 0 0 0 0 0 0 0 0 0 0 0	000050208081500000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
JUL 1 JUL 8 JUL 15 JUL 22 JUL 29 AUG 5 AUG 12 AUG 19 AUG 26 SEP 2 SEP 9 SEP 16 SEP 23 SEP 30 OCT 7 OCT 28 HOV 4 NOV 11 NOV 18 NOV 11 NOV 18 NOV 25 DEC 2 JEC 9 JEC 16 DEC 23 JEC 30	(5.96) 2.46 (1.97)	98 81 91	97 63 74	91 50 55	89 40 44	84 35 32	74 27 19	69 23 19	49	24 7 0	0 1 0	0 0 0	0 0 0

Montana Department of Natural Resources and Conservation compiled by: Foulkes Engineering, Bozeman, Mt.

JAH 1	WEEK STARTING	DAILY AVERAGE KUH/SH/DAY											(KW/ >1.1	SM) >1.2
JABIL 7 (3.53)	IAH 1	(3.73)	25	23	6.4	60	58	52	49	39	29	18	0	0
JAN 14														_
JARI 21 (3.53) 79 66 52 48 48 39 35 32 22 16 3 3 0 JARI 28 4.63 96 86 68 63 61 54 51 12 2 18 6 0 JARI 28 4.63 96 86 68 63 61 54 51 12 2 18 6 0 FEE 11 2.60 89 69 43 39 32 29 22 32 25 58 0 FEE 11 2.60 89 69 43 39 32 27 24 20 16 12 7 4 0 FEE 18 2.90 94 74 62 51 38 29 18 14 7 5 5 0 FEE 25 3.88 91 65 58 52 47 37 33 30 26 20 12 5 FAMA 4 4.33 92 76 61 51 46 63 38 36 31 22 9 4 FAMA 11 6.07 95 88 79 75 50 45 60 51 40 32 9 4 FAMA 11 6.07 95 88 79 75 50 65 60 51 40 32 9 4 FAMA 11 6.07 95 88 79 75 50 65 60 51 40 32 9 4 FAMA 12 6 7 7 7 5 88 79 75 50 60 51 60 51 12 3 0 FAMA 13 6 5.89 97 93 88 89 10 65 50 51 39 28 16 7 3 1 0 FAMA 15 5.89 97 92 87 78 66 59 51 39 25 7 0 0 FEE 25 3.88 91 65 87 86 79 65 55 44 30 21 14 33 0 0 FAMA 15 5.89 97 92 87 78 66 59 51 39 25 7 0 0 FEE 26 5 4.00 94 94 94 73 61 48 39 28 16 7 3 1 0 FAMA 15 5.89 97 92 87 78 66 59 51 39 25 7 0 0 FEE 27 8 68 79 64 55 44 30 21 14 33 0 0 FEE 28 96 97 98 97 98 78 66 59 51 39 25 7 0 0 FEE 29 5.12 95 88 79 66 55 44 30 21 14 3 3 0 0 FEE 29 5.12 95 88 79 66 55 44 30 21 14 3 0 0 FEE 29 5.12 95 88 78 66 59 53 46 22 11 0 0 0 FEE 29 5.12 95 88 78 66 55 46 22 11 0 0 0 FEE 29 5.33 94 87 81 53 65 46 22 1 0 0 0 FEE 29 5.33 94 87 81 53 65 54 60 22 1 0 0 0 FEE 29 5.42 97 92 85 78 67 54 55 54 60 20 0 0 FEE 29 5.65 96 97 97 92 87 59 53 30 17 7 1 0 0 FEE 29 5.65 96 97 98 97 97 97 97 97 97 97 97 97 97 97 97 97														_
JANK 128														
FEB 4														-
FEB 11														
FEB 18														
FEE 25														
MAR 4													12	
MAR 11 6.07 95 88 77 75 69 65 60 51 41 32 6 0 0 MAR 18 5.89 97 93 88 84 77 67 58 47 35 18 3 0 MAR 18 5.89 97 93 88 84 77 67 58 47 35 18 3 0 MAR 25 4.04 94 84 73 61 48 39 28 16 7 3 1 0 MAR 18 (5.35) 97 92 67 78 66 59 51 39 25 7 0 0 MAR 18 (5.35) 97 92 67 78 66 59 51 39 25 7 0 0 MAR 18 15 5.29 96 91 85 77 66 56 44 30 21 14 3 0 0 0 MAR 18 15 5.29 96 91 85 77 66 56 44 30 21 14 3 0 0 0 MAR 18 15 5.29 96 91 85 77 66 56 46 32 11 0 0 0 0 MAR 18 15 5.29 96 91 85 78 67 58 51 45 32 17 1 0 0 0 MAR 18 15 5.29 96 91 85 78 67 58 51 45 32 17 1 0 0 0 MAR 18 18 18 18 18 18 18 18 18 18 18 18 18														
MAR 18		the state of the state of the same of the		***** · · · · · ·							the confirm of the	a de la manage an		
ANN 25														
APR 1 (5.35) 97 92 87 78 66 59 51 39 25 7 0 0 0 APR 8 (4.82) 95 88 79 66 55 44 30 21 14 3 0 0 APR 15 5.29 96 91 85 76 68 57 43 27 17 1 0 0 APR 22 5.42 97 92 85 76 88 57 43 27 17 1 0 0 APR 23 5.12 95 88 76 67 58 51 45 34 17 1 0 0 APR 24 5.12 95 88 76 67 58 51 45 34 17 1 0 0 APR 27 5.12 95 88 76 67 58 51 45 34 17 1 0 0 APR 29 5.12 95 88 76 67 58 51 45 34 17 1 0 0 APR 13 5.45 95 96 82 76 65 53 46 32 8 0 0 0 APR 13 5.45 95 96 82 76 65 53 46 32 8 0 0 0 APR 13 5.45 95 96 82 76 65 53 46 32 8 0 0 0 APR 13 6.47 17 92 86 75 63 50 37 22 10 0 0 0 0 APR 14 87 17 3.88 96 97 87 65 88 33 37 7 0 0 0 0 0 APR 17 3.88 96 97 87 65 48 39 32 23 15 1 0 0 0 APR 18 17 3.88 96 97 87 65 48 39 32 23 15 1 0 0 0 0 APR 18 17 3.88 96 97 87 65 48 39 32 23 15 1 0 0 0 0 APR 19 17 3.88 96 97 86 87 87 87 87 87 87 87 87 87 87 87 87 87														
APR 15		(5.35)	9.7	92	87	78	66	59	51	39	25		0	0
APR 22	APR 8	(4.82)	95	88	79	66	55	44	30	21	14	3	0	Q
APR 29	APR 15	5.29	96	91	85	- 27	66	56	16	32	11	0	0	0
MAY 6	APR 22	5.42	97	92	85	76	69	57	43	27	-12	1	0	0
MAY 13	APR 29	5.12	9.5	88	78	67	58	51		34	12	1	0	0
HAY 20	MAY 6		93	84	71	52	42	34	22		7	1	0	0
## AY 27	MAY 13		95				65		46		8	0	0	()
JUL 3											•	-	**	_
JUN 10											_	-	-	
JUN 17 3.88												_	•	-
JUR 24 4.68												_		
JUL 1 4.92 95 89 80 71 59 50 40 27 0 0 0 JUL 15 5.32 96 91 87 79 70 60 44 27 4 0 0 0 JUL 15 5.52 95 91 86 79 74 68 56 33 0 0 0 0 JUL 22 4.34 93 85 78 70 57 43 32 16 1 0 0 0 JUL 29 5.65 96 92 87 83 76 65 34 36 2 0 0 0 AUG 5 4.81 91 80 74 70 62 57 45 29 6 0 0 AUG 19 4.35 94 88 82 74 64 52 41 27 17 2 0 0 AUG 19 4.35 94 88 82 74 64 52 41 27 17 2 0 0 AUG 19 4.35 94 88 82 74 64 52 <											_	-		
JUL 8 5.32 96 91 87 79 70 60 44 27 4 0 0 0 0 JUL 15 5.52 95 91 86 79 74 68 56 33 0 0 0 0 0 JUL 22 4.34 93 85 78 70 57 43 32 16 1 0 0 0 0 JUL 29 5.65 96 92 87 83 76 65 34 36 2 0 0 0 0 AUG 5 4.81 91 80 74 70 62 57 45 29 6 0 0 0 AUG 12 3.69 79 69 61 57 51 46 39 34 16 2 0 0 0 AUG 19 4.35 94 88 82 74 64 52 41 27 17 2 0 0 AUG 19 4.35 94 88 82 74 64 52 41 27 17 2 0 0 AUG 19 4.35 98 96 93 90 81 73 64 50 25 0 0 0 SEP 2 6.15 98 96 93 90 81 73 64 50 25 0 0 0 SEP 2 6.15 98 96 93 90 81 73 64 50 25 0 0 0 SEP 9 6.37 98 97 92 89 82 76 65 52 32 10 0 0 SEP 23 5.39 97 92 89 82 76 65 52 32 10 0 0 SEP 23 5.39 97 92 87 80 77 80 78 70 58 43 1 0 0 SEP 23 5.39 97 92 87 80 77 80 84 79 70 58 43 1 0 0 SEP 30 (6.02) 98 96 93 87 78 71 59 45 30 6 0 0 O SEP 30 (6.02) 98 96 93 87 78 71 59 45 30 6 0 0 O SEP 30 (6.02) 98 96 93 87 78 71 59 45 30 6 0 0 O SEP 30 (6.02) 98 96 93 87 78 71 59 45 30 6 0 0 O SEP 30 (6.02) 98 96 93 87 78 71 59 45 30 6 0 0 O SEP 30 (6.02) 98 96 93 87 78 71 59 45 30 6 0 0 O SEP 30 (6.02) 98 96 93 87 78 71 59 45 30 6 0 0 O SEP 30 (6.02) 98 96 93 87 78 71 59 45 30 6 0 0 O SEP 30 (6.02) 98 96 93 87 78 71 59 45 30 6 0 0 O SEP 30 (6.02) 98 96 93 87 78 71 59 45 30 6 0 0 O SEP 30 (6.02) 98 96 93 87 78 71 59 45 30 6 0 0 O SEP 30 (6.02) 98 96 93 87 78 71 59 45 30 6 0 O SEP 30 (6.02) 98 96 93 87 78 71 59 45 30 6 0 O SEP 30 (6.02) 98 96 97 97 94 91 84 76 65 54 38 5 0 O SEP 30 (6.02) 98 96 97 97 94 91 84 76 65 54 38 5 0 O SEP 30 (6.02) 98 97 97 94 91 84 76 65 54 38 5 0 O SEP 30 (6.02) 98 97 97 94 91 84 76 65 54 38 5 0 O SEP 30 (6.02) 98 97 97 94 91 84 76 65 54 38 5 0 O SEP 30 (6.02) 98 97 97 94 91 84 76 65 54 38 5 0 O SEP 30 (6.02) 98 97 97 94 91 84 76 65 54 38 5 0 O SEP 30 (6.02) 98 97 97 94 91 84 76 65 54 38 5 0 O SEP 30 (6.02) 98 97 97 94 91 84 76 65 54 38 50 O SEP 30 (6.02) 98 97 97 94 91 84 76 65 54 38 50 O SEP 30 (6.02) 98 97 97 94 91 84 76 65 54 38 50 O SEP 30 (6.02) 98 97 97 91 91 91 91 91 91 91 91 91 91 91 91 91											-	_	-	
JUL 15												-	_	-
JUL 22												_	_	
JUL 29 5.65 96 92 87 83 76 65 54 36 2 0 0 0 AUG 5 4.81 91 80 74 70 62 57 45 29 6 0 0 0 AUG 12 3.69 79 69 61 57 51 46 39 34 16 2 0 0 AUG 19 4.35 94 88 82 74 64 52 41 27 17 2 0 0 SEP 2 6.15 98 96 93 90 81 73 64 50 25 0 0 0 SEP 2 6.15 98 96 93 90 81 73 64 50 25 0 0 0 SEP 3 6.37 98 97 92 87 82 78 67 55 43												_		
AUG 5													_	
AUG 12 3.69 79 69 61 57 51 46 39 34 16 2 0 0 0 AUG 19 4.35 94 88 82 74 64 52 41 27 17 2 0 0 0 AUG 26 4.67 97 90 78 70 61 49 40 31 19 1 0 0 0 SEP 2 6.15 98 96 93 90 81 73 64 50 25 0 0 0 0 SEP 9 6.37 98 97 92 89 82 76 65 52 32 10 0 0 0 SEP 16 6.67 98 97 92 89 82 76 65 52 32 10 0 0 0 SEP 23 5.39 97 92 87 82 78 67 55 43 28 3 0 0 SEP 30 (6.02) 98 96 93 87 78 71 59 45 30 6 0 0 0 O CT 7 6.29 99 97 94 91 84 76 65 54 38 5 0 0 O CT 14 1.46 71 51 38 31 21 9 5 5 0 0 0 0 O CT 21 3.55 95 85 72 61 55 52 40 28 17 3 0 0 O CT 28 3.64 76 66 63 57 51 42 39 29 19 8 0 0 O CT 28 3.64 76 66 63 57 51 42 39 29 19 8 0 0 O CT 28 3.64 76 66 63 57 51 42 39 29 19 8 0 0 O CT 28 3.64 76 66 63 57 51 42 39 29 19 8 0 0 O CT 28 3.64 76 66 63 57 51 42 39 29 19 8 0 0 O CT 28 3.64 76 66 63 57 51 42 39 29 19 8 0 0 O CT 28 3.64 76 66 63 57 51 42 39 29 19 8 0 O CT 28 3.64 76 66 63 57 51 42 39 29 19 8 0 O CT 28 3.64 76 66 63 57 51 42 39 29 19 8 0 O CT 28 3.64 76 66 63 57 51 42 39 29 19 8 0 O CT 28 3.64 76 66 63 57 51 42 39 29 19 8 0 O CT 28 3.64 76 66 63 57 51 42 39 29 19 8 0 O CT 28 3.64 76 66 66 63 57 51 42 39 29 19 8 0 O CT 28 3.64 76 66 66 67 52 50 46 44 33 30 21 17 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8												_	-	-
Aug 19												-	-	
AUG 26 4.67 97 90 78 70 61 49 40 31 19 1 0 0 SEP 2 6.15 98 96 93 90 81 73 64 50 25 0 0 0 SEP 9 6.37 98 97 92 89 82 76 65 52 32 10 0 0 SEP 16 6.67 98 97 94 90 84 79 70 58 43 1 0 0 SEP 30 6.67 98 97 92 87 82 78 67 55 43 28 3 0 0 SEP 30 (6.02) 98 96 93 87 78 71 59 45 30 6 0 0 OCT 2 6.29 99 97 94 91 84 76 65 54 38 5 0 0 OCT 21 3.55 95 85 8												_		_
SEP 2 6.15 98 96 93 90 81 73 64 50 25 0 0 0 SEP 9 6.37 98 97 92 89 82 76 65 52 32 10 0 0 SEP 16 6.67 98 97 94 90 84 79 70 58 43 1 0 0 SEP 23 5.39 97 92 87 82 78 67 55 43 28 3 0 0 SEP 30 (6.02) 98 96 93 87 78 71 59 45 30 6 0 0 OCT 7 6.29 99 97 94 91 84 76 65 54 38 5 0 0 OCT 14 1.46 71 51 38 31 21 9 5 5 0 0 0 0 OCT 21 3.55 95 85 72 61 55 52 40 28 17 3 0 0 OCT 28 3.64 76 66 63 57 51 42 39 29 19 8 0 HOV 4 (2.97) 89 72 58 52 50 46 44 33 30 21 17 6 HOV 18 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0														
SEP 9 6.37 98 97 92 89 82 76 65 52 32 10 0 0 SEP 16 6.67 98 97 94 90 84 79 70 58 43 1 0 0 SEP 23 5.39 97 92 87 82 78 67 55 43 28 3 0 0 SEP 30 (6.02) 98 96 93 87 78 71 59 45 30 6 0 0 OCT 7 6.29 99 97 94 91 84 76 65 54 38 5 0 0 OCT 14 1.46 71 51 38 31 21 9 5 5 0 0 0 0 0 OCT 21 3.55 95 85 72 61 55 52 40 28 17 3 0 0 OCT 28 3.64 76 66 63 57 51 42 39 29 19 8 0 0 HOV 4 (2.97) 89 72 58 52 50 46 44 33 30 21 17 6 HOV 11 18 HOV 25 (.48) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0														
SEP 16 6.67 98 97 94 90 84 79 70 58 43 1 0 0 SEP 23 5.39 97 92 87 82 78 67 55 43 28 3 0 0 SEP 30 (6.02) 98 96 93 87 78 71 59 45 30 6 0 0 OCT 7 6.29 99 97 94 91 84 76 65 54 38 5 0 0 OCT 14 1.46 71 51 38 31 21 9 5 5 0 0 0 0 0 OCT 21 3.55 95 85 72 61 55 52 40 28 17 3 0 0 OCT 28 3.64 76 66 63 57 51 42 39 29 19 8 0 0 HOV 4 (2.97) 89 72 58 52 50 46 44 33 30 21 17 6 HOV 11 HOV 18 HOV 25 (.48) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 DEC 9 DEC 16 (3.30) 90 68 61 54 49 45 41 22 18 6 0 0 DEC 23 3.29 86 71 66 65 62 60 56 45 27 12 0 0														
SEP 23 5.39 97 92 87 82 78 67 55 43 28 3 0 0 SEP 30 (6.02) 98 96 93 87 78 71 59 45 30 6 0 0 OCT 7 6.29 99 97 94 91 84 76 65 54 38 5 0 0 OCT 14 1.46 71 51 38 31 21 9 5 5 0 0 0 0 OCT 21 3.55 95 85 72 61 55 52 40 28 17 3 0 0 OCT 28 3.64 76 66 63 57 51 42 39 29 19 8 0 0 HOV 4 (2.97) 89 72 58 52 50 46 44 33 30 21 17 6 HOV 11 HOV 25 (.48) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 DEC 2 DEC 9 DEC 16 (3.30) 90 68 61 54 49 45 41 22 18 6 0 0 DEC 23 3.29 86 71 66 65 62 60 56 45 27 12 0 0													0	
OCT 7	SEP 23		97	92	87	82	78	67	55	43	28	3	0	0
0CT 14	SEP 30	(6.02)	98	96	93	8.7	78	71	59	45	30	6	0	0
0CT 21	00T 2	6.29	99	97	91	91	84	76	65	54	38	5	0	0
OCT 28	OCT 14	1.46	71	51	38	31	21	9	5	5	0	0	0	0
HOV 4 (2.97) 89 72 58 52 50 46 44 33 30 21 17 6 HOV 11 HOV 18 HOV 25 (.48) 0 0 0 0 0 0 0 0 0 0 0 0 0 DEC 2 DEC 9 DEC 16 (3.30) 90 68 61 54 49 45 41 22 18 6 0 0 DEC 23 3.29 86 71 66 65 62 60 56 45 27 12 0 0	0CT 21	3.55	95	25	25							3	_	0
HOV 18 HOV 25 (.48) 0 0 0 0 0 0 0 0 0 0 0 0 DEC 2 DEC 9 DEC 16 (3.30) 90 68 61 54 49 45 41 22 18 6 0 0 DEC 23 3.29 86 71 66 65 62 60 56 45 27 12 0 0		3.64						42					_	0
HOV 18 HOV 25 (.48) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 DEC 2 DEC 9 DEC 16 (3.30) 90 68 61 54 49 45 41 22 18 6 0 0 DEC 23 3.29 86 71 66 65 62 60 56 45 27 12 0 0		(2.97)	89	72	58	52	50	46	44	33	30	21	17	5
HOV 25 (.48) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0														
DEC 2 DEC 9 DEC 16 (3.30) 90 68 61 54 49 45 41 22 18 6 0 0 DEC 23 3.29 86 71 66 65 62 60 56 45 27 12 0 0														
DEC 9 DEC 16 (3.30) 90 68 61 54 49 45 41 22 18 6 0 0 DEC 23 3.29 86 71 66 65 62 60 56 45 27 12 0 0		(.48)	0	0	0	0	0	0	0	0	0	0	0	0
DEC 16 (3.30) 90 68 61 54 49 45 41 22 18 6 0 0 DEC 23 3.29 86 71 66 65 62 60 56 45 27 12 0 0														
DEC 23 3.29 86 71 66 65 62 60 56 45 27 12 0 0		(7. 70)	6.0	100		F2 A		4 2.40	4.1	43.0	4.00		0	0

1979 SOLAR DATA - MONTHLY AVERAGES

alphabetically by station

NOTE: The solar radiation values presented in these tables were all measured on a surface tilted 60° up from the horizontal and facing due south. Units are kilowatt hours per square meter per day.

The solar data tables flag lost data with parenthesis placed around the daily average. These parenthesis indicated that at least one day of data was missing in the averaging period.



SOLAR RADIATION DATA for: AMACONDA, MONTANA 1979

Montana Department of Natural Resources and Conservation compiled by: Fowlkes Engineering, Bozeman, Mt.

	DAILY AVERAGE		PER (CENT	TOY	YL E	VERGY	' ABI	346	THRES	SHOLD	(KWZ)	SM)
HONTH	KUHZSKZDAY	` >.1	>.2	>.3	> 4	>.5	>.6	>.7	>*8	>.9	>1.0	>1.1	>1.2
JAH	(3.13)	85	65	59	54	48	41	31	24	16	3	0	0
FEB	(3.00)	91	76	63	50	41	32	25	20	15	7	2	O
MAR	(3.52)	91	70	58	43	37	29	26	20	15	5	0	0
APR	3.97	93	78	67	52	42	34	25	17	12	3	0	0
MAY	4.43	93	82	72	60	48	38	31	18	6	1	0	0
JUH	(4.24)	91	79	69	60	49	3.5	26	15	9	0	0	0
JUL	4.57	92	83	76	66	56	47	33	23	3	0	()	0
AUG	3.85	88	78	70	58	51	40	30	19	6	1	0	0
SEP	(4.73)	97	91	85	76	64	53	40	31	17	5	0	Q
OCT	3.62	89	75	65	59	52	43	36	27	20	b	1	0
MOA	(3.22)	80	76	69	65	58	51	40	28	16	1	O	0
DEC	2.47	88	76	67	61	51	40	26	16	4	2	0	O

SOLAR RADIATION DATA for: BILLINGS MONTANA 1979

Montana Bepartment of Natural Resources and Conservation compiled by: Foulkes Engineering, Bozenan, Nt.

	DAILY AVERAGE	£.	ER C	ENT	TOTA	E E	ERGY	ARC	WE 1	THRES	HOLD	(KU/9	(計)
HTHOM	KUH/SH/DAY	>.1	2.2.	>.3	2:4	>.5	3.6	2.7.	2.8	2.9	<u>≥1.0</u>	>1.1	21.2
	4 47	0.12	43.79	→ ,			E /		*** 6**	0.77			
JAK	4.03	95	83	76	21	64	56	46	35	23	4	()	()
FEB	(3,85)	95	98	75	63	54	45	35	25	16	5	0	()
MAR	4.31	92	81	71	64	56	49	41	32	22	10	1	O
APR	(4.12)	90	78	62	58	51	42	33	24	8	0	0	0
MAY	4.26	90	78	70	52	53	42	30	20	4	0	0	0
JUN	(4.20)	91	89	82	23	64	51	35	13	1	0	0	()
JUL	(5.11)	94	85	84	77	69	59	18	30	0	0	0	0
AUG	4.67	92	25	78	88	61	51	41	31	7	0	0	0
SEP	(6.27)	98	46	93	88	83	75	65	52	32	1	0	0
BCT	4.33	90	23	77	71	62	53	44	32	15	0	0	0
YOU	3.84	87	75	70	63	58	52	43	34	16	1	0	0
DEC	2.97	88	79	69	59	51	41	32	19	3	0	0	0

SOLAR RADIATION DATA for: BOZEMAN, MONTANA 1979

Montana Bepartment of Natural Resources and Conservation compiled by: Foulkes Engineering, Bozenan, Mt.

	DAILY AVERAGE	F	PER (CENT	TOTA	AL EI	NERGY	' ABC	JVE .	THRES	HOLD	(K#/9	SM)
HINON	KUH/Sh/DAY	`>.1	>.2	>.3	>.4	>.5	>.6	>.7	>*8	>.9	>1.0	>1.1	>1.2
JAK	(2.95)	82	55	18	43	41	36	32	25	19	5	0	0
FER	3.57	95	79	65	54	48	42	36	27	19	ç	2	0
MAR	(4.40)	94	81	66	59	50	43	35	28	23	12	2	0
APR	4.11	94	23	72	59	52	42	32	19	10	1	0	0
HAY	(4.20)	91	80	69	59	50	39	29	19	4	0	0	0
JUN .	4.28	94	87	77	69	59	48	37	21	0	0	0	0
JUL	5.32	94	90	86	79	20	61	49	27	1	0	0	0
AUG	(4.77)	93	88	28	777	62	52	40	25	8	1	0	0
SEP	(6.04)	97	94	90	84	78	71	61	48	31	Ą	0	0
OCT	3.96	88	27	69	62	53	44	37	29	18	1	0	0
ROV	3.95	93	82	71	67	56	50	42	34	20	1	Q	0
DEC	2.60	79	66	60	52	42	33	28	40	6	1	0	0

SOLAR RADIATION DATA fors BROWNING, MENTANA 1979

Montana Department of Natural Resources and Conservation compiled by: Fowlkes Engineering, Bozenan, Mt.

	DAILY AVERAGE	P	ER C	ENT	TOTA	L EN	(ERGY	ABO	IVE 1	CHRES	HOLD	CKUZS	SM)
HENON	KUH/SM/DAY											>1-1	>1.2
JAN													
FEB													
MAR	(4.75)	97	88	81	71	64	54	41	29	19	9	1	0
APR	(5.05)	95	88	78	69	60	52	44	36	24	11	2	0
MAY	4.41	90	76	65	55	47	39	32	23	?	1	0	0
JUK	(5.13)	94	86	79	70	61	50	40	26	6	0	0	0
JUL	(4.75)	89	81	74	68	59	51	42	30	3	0	0	0
AU6													
SEP	(5.75)	98	95	90	84	27	69	58	46	28	0	0	0
0CT	3,94	87	78	72	64	55	47	37	28	12	1	0	0
VON	(3.06)	65	52	48	45	41	36	32	27	18	3	0	0
DEC													

SOLAR RADIATION DATA for: BUITE, NONTANA 1977

Montana Department of Ratural Resources and Conservation compiled by: Fowlkes Engineering, Bozeman, Mt.

	DAILY AVERAGE	, P	ER (CENT	1017	AL EN	(ERGY	(AB	OVE 1	THRES	SHOLD	(K#78	9M)
HINOM	KWH/SM/DAY	>.1	>.2	>.3	>.4	>.5	>.6	>7	>.8	>.9	21.0	>1.1	>1.2
JAK	3,63	86	24	66	59	51	46	40	34	24	6	0	O
FEB	3.37	93	77	67	57	48	40	30	223	17	10	2	0
MAR	4.56	93	28	65	58	51	44	39	32	26	15	0	0
APR	(3.96)	91	25	71	57	43	31	22	16	9	1	0	()
MAY .	(4.22)	92	80	69	57	19	4.1	30	19	7	0	()	0
JUN	4.22	91	84	74	63	54	41	26	12	2	0	0	0
JUL	(4.57)	93	82	81	75	65	51	36	19	0	0	0	0
AUG													
CEP	(6.01)	98	95	90	85	78	20	62	51	33	3	0	0
OCT	3.87	89	78	71	63	57	51	39	30	18	3	0	0
NOA	3.91	89	79	75	67	60	53	46	36	21	2	0	0
DEC	2.69	88	74	67	58	49	39	32	19	9	1	Q	0

SOLAR RADIATION BATA for: CHOTEAU, MONTANA 1979

Montana Department of Matural Resources and Conservation compiled by: Fowlkes Engineering, Bozeman, Mt.

	DAILY AVERAGE	P	ER (THE	TOTA	L E	4ERGY	' ABC	WE 1	HRES	SHOLD	(KWZ	em)
HINOA	KWH/Sm/DAY	>.1	>.2	>.3	>.4	>.5	>.6	>.7	8,4	>.9	>1.0	>1 = 1	21.2
JAH	(3.24)	89	70	60	54	48	12	33	26	16	- 1	0	0
FEB	3.50	94	79	67	57	49	42	35	27	14	5	0	0
#AR	(4.65)	96	86	79	71	63	53	45	35	25	13	0	Q
APR	4.43	93	84	73	62	52	44	35	26	15	5	0	0
BAY	4.28	92	80	69	58	16	38	28	17	4	0	0	0
JUN	4.62	94	88	75	63	51	40	28	14	1	0	0	0
JUL	(5.17)	95	90	83	.75	65	55	41	26.	1	0	0	0
AUG	(4.22)	92	85	03	23	65	55	44	31	12	0	0	0
SEP	5.76	98	95	89	83	76	68	59	47	26	1	0	0
OCT	(4,45)	63	85	79	72	64	56	45	35	24	5	()	0
KOA	3.94	90	82	77	72	62	54	45	35	22	0	0	0
DEC	(2.96)	87	78	70	63	55	46	34	23	6	0	0	0

SOLAR RADIATION DATA for: COLSTRIP, MONTANA 1979

Montana Department of Natural Resources and Conservation compiled by: Fowlkes Engineering, Bozenan, Mt.

	DAILY AVERAGE	P	ER C	ERT	TOTA	L Er	!ERGY	ABC	IVE 1	THRES	HOLD	(K#78	SH)
HONTH	KUH/SM/DAY	>.1	>.2	>.3	>.4	>.5	>.6	>.7	>.8	>.9	>1.0	>1.1	>1.2
JAR													
FEB	(3,84)	92	82	67	59	49	42	36	27	18	10	1	0
MAR	(4.30)	91	81	70	62	53	46	39	30	17	6	1	0
APR	(3.66)	82	75	62	52	14	33	23	14	7	0	0	0
#AY	(3.18)	87	65	56	48	35	23	15	2	0	0	0	0
JUN .	(4.19)	93	84	-77	65	54	43	24	6	0	0	0	0
JUL	(4.85)	96	87	81	75	66	58	35	0	0	0	0	0
AUG	(4.22)	95	84	74	59	53	41	26	15	4	0	0	0
SEP	(5.24)	98	93	84	20	63	52	43	25	- 7	0	0	0
CCT	(4.82)	96	91	86	80	75	70	58	29	17	6	0	0
MOA	(2.66)	84	70	61	19	41	23	12	A.	0	0	0	0
DEC	(2.93)	91	79	66	58	48	39	29	14	3	0	0	0

SOLAR RADIATION DATA for: DILLON, MONTANA 1979

Montana Department of Matural Resources and Conservation compiled by: Fowlkes Engineering, Bozeman, Mt.

	DAILY AVERAGE	į.	ER (CENT	TOTA	AL E	NER9Y	' ABC	OVE :	THRES	HOLD	(K#78	SK)
HTHOH	KUH/SH/DAY	>.1	>.2	>.3	>.4	>.5	>.6	>.7	>.8	>.9	>1.0	>1.1	>1.2
JAN	(3.83)	92	27	70	62	58	ĄĢ	43	34	21	ç	0	0
FEB	3.69	95	85	71	60	50	42	32	24	13	6	0	0
MAR	(4.90)	96	87	75	65	56	50	41	34	23	8	0	0
APR	4.94	91	88	- 77	69	58	51	40	30	19	4	1	0
MAY	(4.72)	94	85	72	64	55	44	33	21	7	0	0	0
JUH	(4.62)	93	88	75	65	54	40	27	16	2	0	0	Q
JUL	(5.31)	94	87	81	24	67	58	47	32.	3	0	0	0
AUG	5.19	93	85	79	74	68	60	50	37	17	4	0	0
SEP	6.31	97	95	92	87	81	74	66	55	35	3	0	0
CCT	(4.83)	94	88	82	25	66	59	50	40	29	8	1	0
KOA	(4.52)	94	85	77	68	64	56	48	36	25	5	0	0
DEC	3.30	93	83	73	66	59	50	39	24	5	0	0	0

SOLAR RADIATION DATA for: ENRIS, MONTANA 1979

Montana Department of Matural Resources and Conservation compiled by: Fowlkes Engineering, Bozeman, Ht.

	DAILY AVERAGE	F	ER E	CENT	TOTA	NL ER	VERGY	6.84	J!E	THRES	EHOLD	(KUZS	3H)
HTHOM	KNH\ZK\DAY	. >.1	>.2	>.3	>.4	>.5	2.6	>.7	>.8	> , 9	>1.0	21.1	>1.2
JAN	3.48	89	68	60	53	49	43	38	30	21	6	0	0
FEB	(3.42)	91	73	57	51	43	38	32	28	19	11	1	0
MAR	(4.88)	96	89	- 27	67	58	50	12	35	25	12	1	()
APR	(4.10)	91	83	68	55	17	33	27	17	9	2	()	0
MAY	4.07	90	77	66	56	45	37	26	16	1	G	Q	0
JUK.	(4.55)	93	84	75	65	57	46	35	12	1	0	0	G
JUL	4.87	94	88	03	73	63	53	40	22	4	0	0	0
AUG	(4.59)	91	83	76	69	62	53	41	3.0	10	0	0	Q
SEP	(6.10)	98	95	90	86	8.0	73	63	50	33	2	()	0
UCT	4.43	93	85	27	771	65	52	46	35	24	7	0	0
MOV	(4.08)	91	81	75	71	64	57	50	38	27	7	1	0
PEC	2.84	85	21	£2	54	51	4 14	34	26	12	0	0	0

SOLAR RADIATION DATA for: FORT LEMTON, MONTANA 1979

Montana Department of Natural Resources and Conservation compiled by: Fowlkes Engineering, Bozeman, Mt.

нтяоа	DAILY AVERAGE KWH/SM/DAY	P >.1	ER C		TOTA		ERGY	ABO		HRES!		(EU/8	
HUNTH	NWIII ONI DRI	7 : 1	£ 0 E.	7	2 6 3	2.07	ar a U	2 8 2	4** 3x \$4"	/ • / .	. 160	2161	2 8 8 day
JAH	2,70	89	73	54	56	50	41	30	Ö	0	0	0	0
FER	(3, 15)	91	- 73	65	59	51	45	34	22	10	(1	0	0
MAR	4.21	9.3	83	70	60	51	45	38	30	19	3	0	0
APR	3.80	89	23	65	57	50	4.1	32	22	9	1	Ö	()
MAY	3.81	92	23	62	54	44	34	25	16	3	1	0	0
JUN.	4.59	95	88	77	69	59	48	37	21	1	0	Q	0
JUL	(4.66)	93	83	73	67	69	52	40	26	1	0	0	0
AU6	(5.05)	96	88	02	75	68	58	48	36	14	1	0	0
SEP	5.63	98	94	94	86	78	69	59	49	22	3	0	0
OCT	3.88	88	1:3	75	68	51	51	42	3.3	17	0	0	0
NOA	2.91	89	75	57	61	55	44	33	24	5	0	0	C
DEC	2.16	03	69	62	54	47	36	26	11	0	0	0	0

SOLAR RADIATION DATA for: GLASGOW, MONTANA 1979

Montana Department of Natural Resources and Conservation compiled by: Foulkes Engineering, Bozenan, Mt.

	DAILY AVERAGE	Р	ER (CERT	TOTA	IL EN	KERGY	ABC	IVE :	THRES	HOLD	(KW/S	M)
номін	KWH/SH/DAY	>.1	>.2	>.3	>.4	>.5	>.6	>.2	>.8	>.9	>1.0	>1.1.	>1.2
JAN	3.51	96	82	77	68	57	49	37	24	7	0	0	0
EER	3.86	95	28	66	59	52	46	32	229	21	7	0	0
BAR	5.22	97	91	61	73	63	54	46	36	25	8	1	0
APR	(4.16)	88	25	66	55	46	38	30	20	8	1	0	0
MAY	4.14	88	77	88	59	49	38	29	18	2	0	0	0
JUN	(5.38)	95	89	83	76	98	58	45	27	4	0	0	0
JUL	(5,22)	95	89	82	72	65	53	39	27	4	1	0	0
AUG	(5.21)	95	83	8.1	72	65	56	42	29	9	0	0	0
SEP	(5.73)	96	92	85	08	75	67	57	43	22	1	0	0
OCT	4.41	92	88	79	69	63	55	40	29	16	0	0	0
NOV	2.97	84	20	63	53	46	39	31	19	3	6	0	0
DEC	2.49	62	69	63	54	45	36	23	8	0	0	0	()

SOLAR RABIATION DATA for: GLENDIVE, MONTANA 1979

Montana Department of Natural Resources and Conservation compiled by: Fowlkes Engineering, Bozonan, Mt.

	DAILY AVERAGE	P	ER C	ENT	1014	L EN	lERGY	ABC	OVE 1	THRES	HOLD	CK#78	SK)
HOMTH	KUH/SM/DAY	>.1	>.2	>.3	> . 4	>.5	>.6	>.2	5.8	>.9	>1.0	>1.1	>1.2
JAK													
FEB	(3.65)	9.7	87	80	72	57	47	25	17	9	3	0	0
#AR	(4.02)	96	86	75	65	54	12	36	32	22	10	0	0
APR	(3.58)	83	20	67	52	41	32	22	12	4	0	0	0
HAY	(4.50)	93	83	70	62	54	47	39	29	10	1	0	0
JUH -	(4.80)	94	87	78	68	58	48	38	22	2	0	0	0
JUL	(4.27)	94	88	80	73	52	51	32	21	1	0	0	0
AUG	(4.80)	94	88	77	70	60	52	39	26	9	0	0	0
SEP	(5, 22)	96	91	23	81	73	66	54	11	21	0	0	0
OCT	(3.13)	94	87	67	51	43	34	13	13	0	0	0	0
VOM													
DEC													

SOLAR RADIATION DATA for: GREAT FALLS, HONTANA 1979

Montana Department of Matural Resources and Conservation compiled by: Fowlkes Engineering, Bozonan, Mt.

,	DAILY AVERAGE	р	ER (CENT	TOTA	IL E	VERGY	' ABI	OVE	THRES	SHOLD	(K#78	3H)
HORTH	KWH/SM/DAY	>.1	>.2	>.3	>.4	>.5	>.6	>.7	>.8	> ∘ 9	>1.0	>1.1	>1.2
JAN	3.32	91	70	66	58	52	44	35	26	14	1	0	0
FEB	(3.46)	91	26	62	58	48	43	36	26	16	E	1	0
MAR	4.40	92	82	71	62	54	16	40	34	24	9	0	0
APR	3.93	92	77	65	53	46	36	27	18	10	2	0	0
MAY	1.19	91	78	66	53	45	36	27	17	3	0	0	0
10%	4.74	93	84	76	65	54	41	28	17	3	0	0	0
JUL	5.15	93	85	- 78	73	64	54	42	27	3	0	()	0
AUG	5.43	95	88	84	78	70	62	51	38	14	1	0	0
SEP	5.87	97	93	89	83	. 77	70	60	50	33	P _i	0	0
OCT	4.12	88	80	72	63	56	49	41	33	23	3	0	0
NOV	3.69	87	77	73	69	62	55	44	35	14	0	0	Q
DEC	(2.89)	92	82	73	61	49	39	29	18	1	0	0	O

SOLAR RADIATION DATA for: HAMILTON, MONTANA 1979

Hontana Department of Ratural Resources and Conservation compiled by: Foulkes Engineering, Bozenan, Mt.

	BAILY AVERAGE	F	ER	CEHT	TOTA	AL E	MERGY	AB!	JVE	THRES	SHOLD	CKUZS	EA)
HOHTH	KUH/SM/DAY	>.1	>.2	5.3	>.4	>.5	>.6	>.7	>.8	> . 9	>1.0	>1.1	>1.2
JAN	(3.15)	85	72	63	55	49	43	32	27	10	0	0	0
FEB	2.47	83	67	49	38	31	23	16	12	8	3	0	0
MAR	4.55	92	80	72	65	58	50	42	34	25	12	0	0
APR	3.98	92	82	68	55	45	36	24	18	9	1	0	0
MAY	4.65	94	83	72	61	51	41	33	24	12	0	0	0
JUR	(4,72)	90	82	- 73	65	56	46	35	22	3	0	0	0
JUL	5.01	65	88	80	72	65	53	41	25	3	0	0	0
AUG	(6.42)	96	93	90	85	80	71	59	15	10	0	0	0
SEP	(5.77)	88	94	90	84	77	69	58	46	26	1	0	0
130	3.87	88	74	67	59	52	46	39	30	20	3	0	0
NOV	(3.30)	88	- 79	73	83	55	47	38	24	5	0	0	0
BEC	1.78	73	58	9	37	29	21	13	5	0	0	0	0

SOLAR RADIATION DATA fors HARLOWTON, MONTANA 1979

Montana Department of Natural Resources and Conservation compiled by: Foulkes Engineering, Bozeman, Mt.

	DAILY AVERAGE	P	ER C	EHT	TOTA	IL EN	KERGY	ABC	IVE T	THRES	SHOLD	(KW/SI	1)
HORTH	KWH/SM/DAY	>.1	>.2	>.3	>.4	>.5	>.6	>?	>.8	>.9	>1.0	>1.1.0	1.2
JAR	(4.88)	97	95	88	80	69	62	54	43	28	5	1	0
FEB	3.90	92	84	73	65	56	47	36	26	16	7	0	0
MAR	(4.87)	92	80	71	66	59	53	43	33	25	15	0	0
APR			٠										
MAY	(4.21)	91	76	66	57	48	38	28	19	7	1	0	0
JUR	4.69	93	86	77	67	57	48	35	19	1	0	0	0
JUL	(5,56)	94	91	88	80	73	62	44	19	0	0	0	0
AUG	(4.57)	21	80	75	88	61	52	39	31	16	0	0	0
SEP	5.99	98	95	90	83	77	70	61	848	32	6	0	0
OCT	(4,43)	92	85	76	20	61	53	44	32	12	1	0	0
VOV	3,68	83	76	88	61	56	47	40	29	14	1	0	0
DEC	(3, 12)	90	82	70	63	54	63	33	7.2	R	0	0	0

SOLAR RADIATION DATA fors HAVRE, MONTANA 1979

Montana Department of Natural Resources and Conservation compiled by: Fowlkes Engineering, Bozeman, Mt.

	DAILY AVERAGE	f	ER I	CENT	TOTA	AL E	RERGY	(ABI	OVE	THRES	SHOLD	(KWZ	SM)
MONTH	KAHASHADAA	>.1	>.2	>.3	>.4	>.5	>.6	>.7	>*8	>.9	>1.0	>1.1	>1.2
JAII	(3.51)	94	87	80	73	60	48	34	18	4	0	0	0
FEB	(3.16)	93	20	56	51	45	35	26	18	8	2	0	0
MAR	4.88	94	86	80	71	63	54	46	36	25	8	1	0
APR	(3.73)	88	74	65	55	16	37	28	16	5	0	0	0
MAY	(4.50)	93	84	75	64	54	11	34	24	10	0	0	0
JUN													
JUL													
AUG	(4.17)	89	74	65	50	51	. 43	36	27	1	0	0	0
SEP	5.39	97	93	88	81	74	65	54	40	18	1	0	0
OCT	4.07	99	82	74	66	61	51	39	29	14	0	0	0
#OV	3.47	8,3	69	64	57	53	47	39	26	7	0	0	0
DEC	(2.44)	84	73	63	54	43	32	24	13	1	0	0	0

SOLAR RADIATION DATA for: HELENA, MONTANA 1979

Montana Department of Natural Resources and Conservation compiled by: Fowlkes Engineering, Bozeman, At.

	DAILY AVERAGE	p	ER I	CENT	TOTA	AL EI	MERGY	' ABI	JVE :	THRES	SHOLD	(K#79	EM)
HORTH	KUH/Sh/DAY	>.1	>.2	>.3	>,4	>.5	≥.6	>.7	>.8	>.9	>1.0	>1.1	>1.2
JAN	(3.64)	92	77	67	62	56	48	39	30	18	2	0	0
FEB	(3.41)	93	77	65	55	45	37	28	20	13	6	2	O
MAR	4.67	95	25	71	64	54	4.7	39	31	20	7	0	0
APR	(4.34)	93	83	72	63	54	43	32	21	11	3	0	0
HAY	(4.43)	94	81	69	59	48	38	28	16	9	0	0	()
JUN	4.52	94	88	78	67	55	44	30	16	2	0	()	0
JUL	(4.84)	94	87	81	73	64	54	12	20	1	0	0	0
AUG	4.84	93	83	75	68	62	54	16	29	7	0	0	0
SEP	5.70	97	93	88	80	73	64	55	42	23	1	0	0
OCT	(4,05)	88	78	73	66	60	51	39	23	16	ė,	0	()
NOV	(3.62)	87	77	70	64	58	50	42	30	14	1	O	()
DEC	2.71	87	76	66	53	48	39	31	19	8	5	0	0

SOLAR RADIATION DATA fors JURDAN, NORTHNA 1979

Montana Department of Natural Resources and Conservation compiled by: Fowlkes Engineering, Bozeman, Mt.

нтнон	DAILY AVERAGE	-		CENT	TOTA		VERGY				HOLD >1.0		
11011111	AWIII GIII DII I	s' n t	1 8 60	e vi≥	e' 0 'i	100	F € Q	8 66	S & Ci	7 + 7	2110	>1.1	2106
JAN	(3.09)	94	80	71	62	54	43	30	13	1	0	0	0
FEB	(3.36)	92	81	88	58	52	43	35	23	13	5	0	0
MAR	(4.21)	90	79	68	52	51	45	36	29	17	6	0	0
APR	4.17	87	24	62	53	45	38	30	22	14	5	0	0
MAY	(4.42)	93	23	70	61	50	41	31	19	11	1	0	O
JUN													
ANT													
AUG	(5,09)	95	89	83	74	67	56	43	26	3	0	0	0
SEP	6.03	9.7	94	89	85	78	7.0	60	47	26	1	0	0
OCT	(4,42)	51	84	78	73	67	60	50	37	14	0	0	0
KOU	3.34	83	26	68	62	56	48	38	25	3	0	0	0
DEC	(2.42)	79	65	52	50	42	34	24	18	0	0	0	0

SOLAR RADIATION DATA for: KALISPELL, MONTANA 1979

Montana Department of Natural Resources and Conservation compiled by: Fowlkes Engineering, Bozeman, Mt.

	DAILY AVERAGE		PER (CERT	TOTA	AL EI	NERGY	(486	3VE	THRES	BHOLD	(KU/8	SH)
KONTH	KWH/SH/DAY	. >.1	>.2	>.3	>.4	>.5	>.6	>.7	>18	>.9	>1.0	>1.1	>1.2
JAR	(2,68)	81	60	51	4.7	43	38	33	26	11	2	1	0
FEB	1.92	82	48	30	23	19	13	10	8	4	2	1	0
KAR	4.49	94	83	72	61	56	50	44	33	22	4	0	0
APR	(4.11)	91	78	67	59	51	43	34	23	14	4	1	0
MAY	(4.41)	91	80	67	60	51	42	34	24	6	0	0	0
JUN .	4.87	93	86	76	66	57	48	37	23	3	0	0	0
JUL	5.19	95	87	79	72	63	53	44	30	5	0	0	0
AUG	5.44	95	88	83	77	70	61	52	40	22	2	0	0
SEP	6.11	97	94	89	85	- 78	72	63	52	37	12	1	0
OCT	(3.44)	79	70	62	56	47	41	33	25	13	0	0	0
MOA	1.75	50	11	34	28	24	20	14	8	2	0	0	0
DEC	.73	31	22	17	12	10	8	6	Ą	2	()	0	0

SOLAR RADIATION DATA for: LEWISTOWN, MONTANA 1979

Montana Department of Natural Resources and Conservation compiled by: Foulkes Engineering, Bozenan, Mt.

	DAILY AVERAGE	p	ER 0	CENT	TOTA	IL E	KERGY	AB(IVE .	THRES	CHOLD	CKUZS	3K)
HTHOM	KUH/SK/DAY	>.1	>.2	>.3	>.4	>.5	>.6	>.7	>8	>.9	>1.0	1.15	>1.2
JAK	(3.86)	94	78	70	66	62	53	43	31	9	2	0	0
FEB	(4.07)	94	85	77	69	60	50	40	29	15	- 2 5	0	0
MAŘ	(4.50)	92	81	72	62	56	4,7	40	33	25	15	ō	0
APR	4.15	91	77	65	57	19	40	31	22	13	3	7	0
MAY	(4.15)	92	77	61	55	43	36	28	18	7	0	0	0
JUR	(4.96)	93	87	78	69	61	52	40	25	2	0	0	0
JUL	(5.32)	94	87	81	74	67	59	46	29	3	0	0	0
AU6	5.10	95	89	78	72	63	52	41	28	10	1	0	0
SEP	6.15	98	95	90	83	79	71	61	19	32	2	0	0
OCT	4.39	6.5	83	78	70	64	55	45	32	19	3	0	0
VOM	3.64	89	22	66	61	53	45	40	31	18	1	1	0
DEC	(3.04)	84	73	61	56	50	42	36	24	11	Q	0	0

SOLAR RADIATION DATA for: LIBBY, MORTANA 1979

Montana Department of Matural Resources and Conservation compiled by: Foulkes Engineering, Bozenan, Mt.

	DAILY AVERAGE	E 1	PER I	CENT	TOT	al El	HERG	Y ABI	OVE	THRES	SHOLD	(K#7)	(MR
HONTH	KWMZSMZDAY	>.1	>.2	> 3	>.4	>.5	>.6	>.7	>.8	>.9	>1=0	>1.1	>1.2
	40.04		0074 11 0	** 0			F	towers.					
JAN	(2.91)	9.1	- 77	70	65	59	51	3,7	24	5	Q	0	0
FEB	(1.66)	79	48	35	26	21	-17	12	8	6	3	1	0
MAR	4.51	91	81	75	69	63	57	50	43	33	15	0	0
APR	(3.92)	92	13	66	55	45	35	26	20	Ģ	1	Ø	0
MAY	4.59	93	-83	- 23	65	53	48	37	25	13	2	0	0
JUN	4.87	94	87	77	- 69	60	49	35	21	5	0	G	()
JUL	4.92	94	86	79	71	62	51	38	22	1	0	O	O
AUG	(5, 43)	96	89	85	80	71	63	53	3.7	15	2	0	O
SEP	5.40	96	91	85	80	23	66	57	45	26	2	1	0
' OCT	(3.38)	8.1	69	67	55	46	41	32	23	9	0	0	O
KOV	(1.30)	55	44	37	30	25	19	12	4	1	0	0	0
DEC	(.80)	45	26	17	13	1.0	- 7	4	3	2	()	0	0

SOLAR RADIATION DATA for: LIVINGSTON, MONTAKA 1979

hontana Bepartment of Natural Resources and Conservation compiled by: Foulkes Engineering, Bezonan, ht.

	DAILY AVERAGE		ER C				RERGY				HOLD	(K#Z8	
MONTH	KUHZSMZDAY	>.1	>.2	7 . 5	> 4	5.5	2.6	201	3,4	7.7	>1.0	>1.1	Alexander
JAN	(3.11)	9 1	62	54	48	41	36	31	26	10	7	0	0
FEB	(2.88)	87	66	54	44	40	35	29	23	15	9	2	0
MAR	(4.35)	71	81	72	64	56	48	41	32	09	13	4	1
APR	(4.01)	93	78	66	57	51	49	229	20	11	3	O	0
MAY	(5.32)	95	80	84	76	69	58	171	30	6	1	0	0
JUN	(5.56)	95	92	86	80	73	63	49	30	1	0	0	0
JUL	(5.20)	95	88	83	76	38	57	43	24	0	0	0	0
AU6													
SEP													
OCT													
1101	(3.41)	93	78	73	68	60	47	38	29	18	Ü	Q	0
DEC	2.43	75	62	58	52	47	40	28	19	3	0	0	0

SOLAR RADIATION DATA for: MILES CITY, MUNTANA 1979

Montana Department of Matural Resources and Conservation compiled by: Foulkes Engineering, Bozenan, Mt.

	DAILY AVERAGE	Р	ER (CERT	TOTA	AL E	MERGY	ABI	OVE .	THRES	SHOLD	(KP/S	M)
нтнон	KWH/SM/DAY	>.1	>.2	>.3	>.4	>.5	>.6	>.2	>.8	>.9	>1.0	>1.1	>1.2
JAN	4.09	97	91	83	25	66	57	47	37	21	4	0	0
FEB	4.33	96	87	78	- 21	63	53	45	35	24	11	0	0
MAR	5.06	95	84	- 77	71	65	58	19	41	33	21	5	0
OPR	4.18	89	75	65	55	48	39	31	23	15	5	0	0
MAY	4.48	93	84	72	61	52	13	32	19	5	1	0	()
JUE	5.01	94	88	79	69	60	49	34	20	2	0	0	0
JUL	(4.93)	94	88	79	67	58	50	37	16	-0	0	0	0
AUG	(4.97)	97	92	86	75	64	50	35	25	7	0	0	0
SEP	5.51	96	91	8.8	81	73	65	54	42	23	1	0	0
· OCT	(4.37)	94	84	78	69	60	52	45	33	12	0	0	0
ROV	2.96	84	72	62	53	43	36	29	20	8	0	O	0
DEC	3.19	89	79	71	64	52	43	34	23	1	0	0	0

SOLAR RADIATION DATA fore MISSOULA, MONTANA 1979

Montana Department of Natural Resources and Conservation compiled by: Fowlkes Engineering, Bozenan, Mt.

	DAILY AVERAGE	f	PER 1	CERT	TOTA	AL E	KERGY	ABC	IVE .	THRES	HOLD	(KW/S	ent)
HTMOM	KWH/SM/DAY	>.1	>.2	>.3	>.4	>.5	2.6	>.7	>.0	>.9	>1.0	7.1	>1.2
JAIL	(2.70)	85	රර	59	53	45	36	23	12	1	0	0	0
FEB	1.95	80	54	44	32	27	21	11	10	6	2	0	0
BAR	4.27	90	- 77	69	58	52	4.7	40	33	23	ņ	1	0
848	3.74	91	77	66	48	40	32	25	18	10	1	0	0
MAY	(4.37)	92	80	69	59	51	41	32	20	6	1	0	0
JUH -	4,82	90	83	76	83	59	48	39	26	2	0	0	0
JUL	5.05	94	89	83	75	38	55	44	27	2	Q	0	0
AUG	4.96	92	85	80	73	67	58	48	34	12	1	0	0
SEP	5.94	98	94	90	83	76	69	57	45	30	3	0	0
OCT	(3,23)	87	73	62	57	19	44	37	29	19	3	0	0
NOV	2.42	74	62	55	48	41	33	25	9	1	0	0	0
BEC	(1,33)	56	43	35	30	25	19	12	5	1	0	0	0

SOLAR RADIATION DATA for: PLENTYWOOD, NONTAKA 1979

Montana Department of Natural Resources and Conservation compiled by: Foulkes Engineering, Bozeman, Ht.

	DAILY AVERAGE	p	ER (CENT	TOTA	AL E	NERGY	ABI	JVE	THREE	HOLD	CKUZS	SH)
ноктн	KUH/SH/DAY	>.1	>.2	>.3	> . 4	>.5	2.6	> . 7	>.8	>.9	>1.0	>1.1	>1.2
JAN	(3,73)	95	87	23	23	63	527	51	31	8	0	0	Q
FEB	3.52	94	80	62	53	44	40	36	29	19	7	0	O
MAR	4.20	91	76	65	59	53	46	38	32	23	15	3	0
APR .	3.51	\$2	66	55	11	37	30	23	17	9	1	0	0
KAY	(3.66)	83	67	52	17	40	31	24	15	6	2	0	0
NUL	4.81	93	85	78	70	52	47	37	17	7	0	0	0
JUL	(5.03)	93	85	78	20	60	50	36	23	4	0	()	()
AUG	5,49	96	91	85	77	60	55	45	34	17	2	0	0
SEF	5.39	94	87	79	73	65	59	50	36	15	1	0	0
CCT	4.40	93	84	78	73	64	55	41	30	14	1	0	0
40%	2.73	63	73	64	52	42	35	23	14	1	0	0	0
DEC	(2,96)	81	68	62	60	54	46	34	21	2	0	0	0

SOLAR RADIATION DATA for: PCLSON, MONTANA 1979

Montana Department of Matural Resources and Conservation compiled by: Foulkes Engineering, Bozeman, Mt.

	DAILY AVERAGE	P		CENT	TOTA	L E	IEREY	ABO	WE	THRES	SHOLD	CKWZS	em)
HONTH	KUH/SH/BAY	>.1	>.2	>.3	>-4	>.5	2.6	>.7	2.8	>.9	>1.0	>1.1	>1.2
JAN	(2.32)	92	62	49	40	37	30	25	17	7	1	0	0
FEB	(2.25)	88	56	39	31	23	20	15	12	ò	6	0	0
MAR	4.56	0.3	83	73	64	54	50	42	36	27	10	1	0
APR	3.89	90	78	66	58	47	40	31	20	11	2	0	0
HAY	(4.53)	91	79	68	59	50	44	33	22	ర	0	O	0
JUH													
JUL													
AU6	(4.61)	93	83	77	68	60	53	46	39	15	0	0	0
SEP	5.61	97	94	87	84	74	67	5,7	44	26	1	0	0
OCT	3.48	81	73	66	60	52	45	36	27	15	2	0	0
VCM	1.50	47	36	29	24	22	17	15	9	5	0	()	0
DEC	(1.11)	52	37	30	22	16	12	8	5	2	Ü	0	0

SOLAR RADIATION DATA for: REDLODGE, MONTANA 1979

Montana Department of Natural Resources and Conservation compiled by: Fowlkes Engineering, Bozenan, Mt.

	DAILY AVERAGE	ρ	ER (CENT	TOTA	IL E	VERGY	' ABO	JVE .	THRES	CLOHE	(KUZSK)
HONTH	KWH/SM/DAY	>.1	>.2	>.3	>.4	>.5	>.6	>.2	>.8	>.9	>1.0	>1.1.>	1.2
JAR	3.79	95	83	69	63	57	53	44	35	24	6	0	0
FEB	4.05	95	85	76	38	58	50	42	31	20	6	0	0
MAR	(4,44)	92	81	73	65	58	51	43	31	19	8	1	0
APR	4.35	93	13	70	63	54	46	34	23	10	1	0	0
KAY	4.28	89	77	67	58	19	40	30	19	3	0	0	0
JUN	4.68	93	85	- 77	66	57	46	34	12	1	0	0	0
JUL	4.63	92	84	76	38	59	19	36	21	7	0	0	0
AUG	(4.28)	89	79	69	62	56	46	36	24	9	1	0	0
SEP	5.83	97	93	88	84	77	70	60	50	36	11	*	0
OCT	4.37	88	81	75	69	60	52	44	35	24	8	2	0
NOV	4.04	93	81	74	68	62	53	11	36	25	9	1	0
DEC	3.38	89	80	75	69	60	54	43	33	13	0	0	0

SOLAR RADIATION DATA for: SIDHEY, MONTANA 1979

Montana Department of Natural Resources and Conservation compiled by: Foulkes Engineering, Bozeman, Mt.

	DAILY AVERAGE	p	ER (CENT	TOTA	AL E	(ERS)	(ABC	ME 1	THRES	SHOLD	(KW/S	M)
нтноп	KWH/Sh/DAY	>.1	>.2	>.3	>.4	>.5	>.6	>.7	>.8	>.9	>1.0	>1.1	>1.2
JAN	3.52	96	85	74	69	59	49	37	27	11	0	0	0
FEB	(3.51)	23	77	58	50	43	36	31	26	21	7	ī	0
MAR	(4.66)	94	83	74	64	55	50	45	37	22	13	1	0
APR	(4.07)	87	14	65	60	47	38	29	20	12	2	0	0
MAY	(3.95)	89	.75	61	55	46	37	27	16	7	0	0	0
JUH	(4.45)	94	83	72	63	51	38	26	13	1	0	0	0
JUL	4.59	93	83	74	66	57	45	36	21	1	0	0	0
AUG	(4.87)	95	25	78	71	61.	51	41	30	- 7	0	Q	0
SEP	5.65	96	91	88	13	75	68	57	45	30	1	0	0
OCT	(4.21)	93	84	76	68	59	50	42	32	18	2	0	0
NOA	2.83	82	75	62	51	46	32	27	16	1	Û	0	0
DEC	(2.83)	82	25	83	63	52	40	30	18	0	0	O	0

SULAR RADIATION DATA for: THOMPSON FALLS, MONTANA 1979

Montana Department of Matural Resources and Conservation compiled by: Fowlkes Engineering, Bozeman, Mt.

	DAILY AVERAGE	P	ER E	ENT	TOTA	AL EN	ERGY	ABE	DVE '	THRES	SHOLD	(KU/9	EM)
HTHOM	KUH/SH/DAY	>.1	>.2	>.3	>.4	≥.5	> . 6	>.7	8.<	>.9	>1.0	>1.1	>1.2
JAN	(2.87)	82	71	60	55	48	38	31	22	2	1	0	()
FEB	(1.89)	79	53	35	29	17	14	10	7	1	1	0	0
HAR	4.42	93	80	69	62	58	50	42	33	22	10	1	0
APR	3.90	91	27	65	59	50	40	30	19	10	3	0	Q
MAY	(4.12)	9:	79	68	57	16	37	26	13	1	0	0	()
JUR	(4.69)	93	88	- 75	66	57	48	38	25	5	0	0	()
JUL													
AUG													
SEP													
OCT	(3.11)	8.6	21	59	50	44	36	32	23	10	3	0	0
ROV	,												
DEC													

SOLAR RADIATION DATA for: UEST YELLOWSTONE, MONTARA 1979

Montana Repartment of Natural Resources and Conservation compiled by: Fowlkes Engineering, Bozeman, Mt.

	DAILY AVERAGE	F	ER C	ENT	TOTA	L E	ERGY	' ABO	WE 1	TERES	HOLD	(KU/9	(M)
HONTH	KUM/SH/BAY	>.1	>.2	>.3	>,1	>.5	>.6	>.7	8.4	>.9	>1.0	21.1	>1.2
JAN	(3,67)	87	72	62	57	52	48	44	36	29	17	2	0
FEB	2.86	90	70	51	43	34	27	22	18	14	10	5	0
MAR	5.10	94	84	74	67	60	53	47	39	31	20	2	23
APR	(5,32)	96	94	25	75	65	56	45	31	17	2	Q	0
HOY	(4.91)	94	87	77	66	56	45	37	23	7	1	0	0
JUR	(4,55)	93	85	77	66	56	45	30	12	0	0	0	0
JUL	5.07	25	89	83	75	66	56	44	27	1	0	0	0
AUG	4.49	91	83	75	69	61	52	42	31	12	1	0	0
GEP	6.07	98	95	91	87	08	73	62	50	31	3	0	0
867	(4.33)	90	80	73	66	60	52	44	35	23	5	0	0
MOV	(2.33)	66	56	48	12	36	30	27	17	13	9	7	3
DEC	(3,07)	79	62	58	55	51	49	45	32	21	8	0	0

MANUAL SOLAR NEASUREMENT STATION
1979 Average Hadiation, MVh/m²-day

Wolf Point	Wh.Sulphur Spgs.	Whitefish	Townsend	Superior	Scobey	Roundup	Missoula	Malta	Hobson	Harlem	Great Falls	Forsyth	Eureka	Ekalaka	Deer Lodge	Conrad	Circle	Chester .	Broadus	Boulder	Billings	Baker	STATION
2.03	3.97	2.42	3.20		3.33	3.62	2,50	2.88	2.92	3:02	4.35	3.62		4.01	1.90	2.58		3.50	4.16	3.30	3.23	4.48	JAN
2.43	N 00 N	2.55	2.83		3.22	3.94	1.92	3.46	2.98		3.35	3.29		4.08				(3) 1(3)		2.55	2.39	4.53	FIGB
	4.92	3.68	4.90	3.19		G. G. G.	4.39	4.55	4.74		4.95	3.95		5.13	3.43	4.57	4.03	4.94		4.67	ω .2	5.29	MAR
	3.88	₩ 800	3.88			4.19	4.02	3.68	3.97		4.03	3.76	2.72	3.95		3.36		3.87		3.16	2.05	3.97	Mady
		3.96	5.65				6.21	4.44	4.36		4.49	4.55	4.56	<u>ن</u> ن		4.96		5.15		4.03	3.52	4.55	YAW
	5.51	4.63	5.44					4,38		5.07		,	Ω Ω	6.68	4.26	5.33		4.99	558				SEPT
	4.00	4.32	3.42			4.02		4.04		3.48	3.26		2.56	5, 57	2.90	4.01		4.13		2.98			OCT
	(J)	1.70	4.53			2.94	ω	2.87			3.39			3.49	2.07	G. 800		3.86	4.52	4.10		2.74	NOV
2.71	1.39	.93	N. 13			3.15	1.03	1.29	1.61		2.19			2.73	1.13	1.80			3,23	2.07	2.77	2.90	סבים

CLOUDY DAY STATISTICS

NOTE: The number of data - days available are shown in parenthesis above each table.



YEAR ROUND(313)	1				í	ነለሰር	CONDA	, 1979		H	EAT	IKG	SE	EASE	M(2	200)
CLOUDY DAYS		2	3	4	5	6	7	>7		£	-	3		-			>7
OCCURENCES		5	1	0	1	0	0	0		18		1	0	1			0
YEAR ROUND(or on ex	one one one	~ ~ ~	B	ILL	IRGS	, 1979	ente open did			ING				20)
CLOUDY DAYS				4	5	6	7	>7		1	2	3	Ą	5	6	7	>7
OCCURENCES					0	0	0	0		24	3	1	0	0	0	0	0
YEAR ROUND()	358)						029	MARLy	1979	and associated	H	EAT	ING	SE	ASC	NC2	226)
CLOUDY DAYS	1	2	3	4	5	6	7	>?		1	2	3	4	5	6	2	>7
OCCURENCES	23	5	3	0	0	0	0	0		20	5	3	0	0	0	0	0
YEAR ROUND(185)	e dro male co	1 and 4,6 cm		1 to 100 to	<u>}</u>	ROL	MING	19.79		<i>‡</i> ;	EAT	ING	SE	:ASC)H(1	04)
CLOUDY DAYS	1	2	3	4	5	6	7	>7		1	2	3	4	5	6	7	>7
OCCURENCES	6	3	1	0	0	0	0	0		6	2	19 8 400 100 877	0	0	()	0	()
YEAR ROUND(302)						BUT	TE,	1929		Н	EAT	INS	SE	A90	M (2	25)
CLOUDY DAYS	1	2	3	4	5	6	7	>7					4				>7
OCCURENCES	18	3	0	0	0	1	0	0		18	3	0	()	0	1	()	
YEAR ROUND(3						C	нот	EAU,	1979		H.						20)
CLOUDY DAYS	1	2	3	9	5		7	>7		1	2	3	Ą	5	6	7	>7
OCCURENCES	20	1	1	0	0	0	í	0					()	0	0	1	()
YEAR ROUND(1	54)								19779		ř.	EAT	ING	SE	A S0	N(1.	22)
CLOUDY DAYS	1	2	3	4	5	6	7	>7		1	2	3	4	5	6	2	>7
occurences										13	3	1	0	0	С	0	0

							DI	LLON	, 1979								
YEAR ROUND	332)	~~~						,	undo deste d		HEA	TIMO	3 51	EASI	OR (204)
CLOUDY DAYS	1	2	3	4	5	6	7	>7		1	2	3	4	5	6	7	>7
OCCURENCES	12	2	0	1	0	0	0	0		11	1	0	1	0	0	0	0
# W TO SE								es an es		-							
YEAR ROUND(330)					EHI	VIS,	1979		ł	HEAT	FING	38	EASC	OR C	213)
CLOUDY DAYS				4	5	 6	7	>7		1			4				
OCCURENCES								0		95 409 10	ta 460 400 W	r unto deca est	1		2 ALM SOLE (E	th agus abro d	0
-										design design per	*	ro espe que da	10 May 800 MA				id sym qua andr
YEAR ROUND(353)					FOR	et e	ERT(M, 197		f	EAT	ING	SE	AS0	N(2	230)
CLOUDY DAYS	1	2	3	4	5	6	7	>7		1	2	3	4	5	6	7	>7
OCCURENCES	28	2	3	1	2	0	0	0		26	2	3	1	2	0	0	0
	40 mm 400 479 ,	e deum files gre	. ~		0 ten den de	0 CO PP GI	601 AV 613	PT CO. 879		mb em det		o doct activities		and septe high	90 mb mb	ere auto en	1.12 004 60 0
YEAR ROUND(327)					€	ELAS	igou,	, 1979		ŀ	EAT	ING	SE	ASO	IR (2	21)
CLOUDY DAYS	1	2	3	ħ,	5	6	7	>7		****	2	3	4	5	6	7	>7
OCCURENCES	20	3	3	0	0	0	0	0					0				0
	00 44 W 60	y gas ain er	* 6°4 00° 00	0 000 000 di		or ette 400 (th	en en eg	10 40 40		dest mark proj	ever are ab-	and unio 800			mile der fert		7 ords qual evila
YEAR ROUND(E, 1929		H	EAT	ING	SE	ASO	N(47)
CLOUDY DAYS										1	2	3	9	5	6	7	>7
OCCURENCES	9	2	0	0	0	0	0	0					0				0
			. 44	. 00 83 20		- 50 70 00			•			- Bits 430- 670		EP 840 50	413 etu (m)		. w.b. es et 23
YEAR ROUND (361)					GRE	ΔT	FALL	S, 1979	9	Н	EAT	ING	88	1 50	NK2	27)
CLOUDY DAYS	1	2	3	4	5	6	7	>7		1	2	3	1	5	6	7	>7
OCCURENCES	24	7	2	0	0	0	0	0		23	2	2	0	0	0	0	0
gas arm with and and and and arm size during	ngi siliti kuli dine	es dv ac						CO 601 67		mb 42 110	es tou	COS THEFT THE	and sinds acres o	*** **** ****	, en mel en-e		gens send send
YEAR ROUND(3	31)					11	AHI	LTON	1979		Н	EAT.	ING	SE	45 Di	11(2	28)
CLOUDY DAYS			3	4	 5	 6	7	>7		1	2	3	4	5	6	7	>7
OCCURENCES	20	8	2	0	0	i	1	0		18			0			1	0
	0 mp eso m2 (an es en					## ## ## #	ma m. n.p		appl budy suits t	00 FOL 9.60 1	DD 00-0 414. E	NO 64-1 67 A		w eru en 1	and the	

YEAR ROUND(245)				Н	ARL	uro	N, 1979		ļ	IEAT	ING	SE	ASO	N(1	51)
CLOUDY DAYS 1	2	3	4	5	6	7	>7		1	2	3	ē,	5	6	7	>7
OCCURENCES 15											-	0	_	_	_	-
YEAR ROUND(262)			,		HA	VRE,	1979		ŀ	feat	TING	SE	:ASE)# (2	209)
CLOUDY DAYS 1	2	3	4	5	6	7	>7		1	2	3	1	5	6	7	>7
OCCURENCES 17	4	4	0	0	Ç.	0	0					0				
YEAR ROUND(349	}					HE	LENA	1979	60% dip 6.			TIME				224)
CLOUDY DAYS 1	2	3	4	5	6	7	>7									>7
OCCURENCES 24				0	G	0	0		22	3	1	() ()	0	0	0	
YEAR ROUND(248	er er is an	 T	o mos ano em	no ess erv	m7s m8s m1	to anni suit ad	2 8 ° 80° 60°	, 1979	do ~		one the test	TRG	tra to i ft s	Ca by- tru	CO SUPPLE	en alren
OCCUREACES 21	n- e- e- e-					100 Ma 81	BIO 600 HO		40 000 00	66 F-881	\$10 \$140 \$100.	0	the are del	time your high	(pin byth and	eurs dader date
YEAR ROUND(356	17 M/ Gu TV	1 tot 62 PT	100 00 PE	But 100 100	transers ell	1 (g., 8 0 m.	* 61 ## 61	L, 1979				THO				
CLOUDY DAYS 1									1			4				
OCCUMENCES 11							1		10							
YEAR ROUND (338.	,				LE	WIS	TOU	N _F 1979		 !:	EAT	IRG	SE	A50	N(2)	21)
CLOUDY DAYS 1	2	3	4	5	6	7	>7		1	2	3	4	5	6	,7	>7
OCCURENCES 27	4	0	0	0	0	0	0		27			()				0
YEAR ROUND(334)	W 65 68	er an er	et en eu-	no en las	ng 65 elle	LIB	BYr	1979	No tro me			ING				(2)
CLOUDY DAYS 1	2	3	4	5	6	7	>7		1	2	3	/4 mm sar me to	5	6	7	>7
OCCURENCES 14	4	3	2	0	2	0	3		12	4	3	2	0	2	0	3

YEAR ROUND(172)	LIVINGSTON, 197	HEATING SEASON(136)
CLOUDY DAYS 1 2 3 4 5	6 7 >7	1 2 3 4 5 6 7 >7
OCCURENCES 21 2 2 1 0	0 0 0	21 2 2 1 0 0 0 0
YEAR ROUND(324)	MILES CITY, 197	9 HEATING SEASON(225)
CLOUDY DAYS 1 2 3 4 5	6 7 >7	1 2 3 4 5 6 7 >7
OCCURENCES 19 2 1 0 0		18 2 1 0 0 0 0 0
YEAR ROUND(352)	MISSOULA, 1979	HEATING SEASON(218)
CLOUDY DAYS 1 2 3 4 5	6 7 >7	1 2 3 4 5 6 7 >7
OCCURENCES 21 11 3 3 0	0 0 1	19 10 3 3 0 0 0 1
YEAR ROUND (334)	PLERTYWOOD, 197	HEATING SEASON (205)
CLOUDY DAYS 1 2 3 4 5	no est for for the set the set	1 2 3 4 5 6 7 >7
OCCURENCES 19 6 3 0 0		17 6 3 0 0 0 0 0 0
YEAR ROUND(271)	P0LS0N, 1979	HEATING SEASON(216)
CLOUDY DAYS 1 2 3 4 5	6 7 >7	1 2 3 4 5 6 7 >7
OCCURENCES 19 3 2 5 1	3 1 0	18 3 2 5 1 3 1 0
YEAR ROUND(360)	RED LONGE, 1979	HEATING SEASON(229)
CLOUDY DAYS 1 2 3 4 5	6 7 >7	1 2 3 4 5 6 7 >7
OCCURENCES 19 5 2 0 0	0 0 0	18 3 2 0 0 0 0 0
YEAR ROUND(344)	SIBNEY, 1979	MEATING SEASON (220)
CLOUDY DAYS 1 2 3 4 5	6 7 >7	1 2 3 4 5 6 7 >7
OCCURENCES 23 3 2 0 1	0 0 0	22 3 2 0 1 0 0 0

YEAR ROUND((57)				Ŧ	HOr	(PSC	IN FALLS,	1979	ŀ	IEA!	TING	SE	ASO	M (1	35)
CLOUDY DAYS	1	2	3	9	5	6	7	>7	1	2	3	1	5	6	7	 >7
OCCURENCES	11	4	3	0	1	0	0	0				0			0	0
YEAR ROUND(3	309)	Sto and ST			'UE	ST	YEL	LOUSTONE,	. 1979	ŀ	EAT	LIKG			i) H(i	24)
CLOUDY DAYS	4	2	3	4	5	6	7	>7	1		_	1	5	E	7	>7
OCCURENCES	16	9	0	-	0	0	0	0	11			0			0	0



Table

CLEAR DAY COMPARISONS

-1	9	•	1.3

Station *	Clear	Deviati	on, Sxx	Class
name	days	Orig.	Adj.	en en eksiksistekkeen opisisis en en hell monte kantiksistekkeen tille kantiliksis
Anaconda	34	4.3	2.2	I
Billings	93	6.1	2.6	I
Bozeman	97	6.9	2.8	I
Browning	28	6.0	2.0	I
Butte	47.	8.0	2.0	I
Choteau	74	3.6	3.6	n nyaya kelepengilika kelepenya kelemika kunya kelepenya di kelepenya kelepenya kelepenya kelepenya kelepenya I
Colstrip	20	8.6	4.7	II
Dillon	69	3.3	1.9	I ·
Ennis	69	2.6	2.5	I
Fort Benton	79	6.4	1.8	I
$G_{J}sec$	55	9 . 8	2.1	recorder que reconserve en conserve con
Glendive	58	4.1	2.0	Ι
Great Falls	98	3.0	2.1	I
Hamilton	72	9.5	3.2	II
Harlowton	60	7.7	1.4	I
Havre	54	4.3	nedpur op ider strue var vermisseredserderleneds i 2 e 7	T
Helena	64	5.5	2.6	II
Jordan	54	15.7	4.1	III
Kalispell	27	3.7	2.7	I
Lewistown	84	8.2	2,6	L L
Libby	64	2.8	2.3	I
Livingston	27	5.1	2.0	I
Miles City	76	7.0	2.1	1
Missoula	69	5.7	2.3	r
Plentywood	39	7.1	A 3	J.J.
Polson	43	3.6	2.0	I
Red Lodge	76	7.9	3.1	II
Sidney	64	3.0	2.3	x
Thompson Falls	19	4.2	3.0	II
West Yellowstone	60	11.3	2.8	II

^{*} A "clear day" is a day that is clear for several hours around solar noon.

^{**} Average absolute value of deviation for all clear days.





